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THE CHEMIST AND DRUGGIST

TELEPHONE BANK 852 NUMBER

TELEGRAPHIC ADDRESS CHEMICUS LONDON.

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Branch Offices: MELBOURNE and SYDNEY.

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Abonnementspreis: The Chemist and Druggist einmal wöchentlich, und Notizkalender des Chemist and Druggist einmal im Jahre, 10 Mark jährlich, frei in's Haus geliefert.

Precio de suscricion: The Chemist and Druggist, una vez por semana, y el Agenda del Chemist and Druggist una vez al año, 12.50 pesetas anuales franco

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With Chemist's Name and Address.

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Exchange Column, *Coloured Supplement.* Index to Advertisements, pp. 21–23.

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West London Extension Railway.

The Chemist & Druggist SUPPLEMENT

SATURDAY, MAY 8, 1897.

Businesses Wanted
Businesses for Disposal
Premises to Let
Auction Sales

ALSO EXCHANGE COLUMN.
For Bargains see last page of this Supplement.

Partnerships
Situations Vacant
Situations Wanted
Miscellaneous

A Copy of this Supplement is inserted in every number issued of "The Chemist and Druggist."

THE IRISH SUPPLEMENT

TO

"THE CHEMIST AND DRUGGIST"

Is published with "The Chemist and Druggist" on the first Saturday of each month, and is circulated to all Pharmaceutical Chemists, Chemists and Druggists, and Registered Druggists in Ireland. It contains information of special interest to the Irish Drug trade, and advertisements by firms who do business with them direct. It is the only medium which completely covers this class of buyers.

Specimen copies of the Supplement, and terms for Advertising in it, may be obtained from

THE PUBLISHER, "THE CHEMIST AND DRUGGIST," 42 CANNON ST., LONDON, E.C.

CHEMISTS' TRANSFERS.

MESSRS. ORRIDGE & CO., 32 LUDGATE HILL, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

VENDORS have the advantage of Messrs. O. & Co.'s direct attention and advice as to value without additional fee.
PURCHASERS are invited to forward a statement of their requirements, which will be notified in a register free of charge.
VALUATIONS having always been a prominent feature, Messrs. O. & Co. trust that the lengthened period during which they have enjoyed the confidence of the profession will be regarded as a sufficient proof of the sincerity of their endeavours to conduct these transactions in an honourable and straightforward manner.

1.—**£600.—LONDON (Main Road).**—Brisk Retail Business, chiefly ready money; returns present rate over £600; can be largely increased by an energetic man; the shop is well fitted, and stocked above the average; rent moderate; 19 years' lease; price £500.

2.—**£400.—LONDON (Suburban)** (death vacancy).—Retail Dispensing and Prescribing Business; returns about £400 yearly, *with good profits*: capital business premises and residence, held on long lease; price £300, or valuation terms can be arranged.

3.—**£1,200.—FINCHLEY.**—Dispensing and Retail Business; returns present rate £1,200 yearly; the shop is well fitted and stocked; modern house, on lease; price about £900; full particulars on application.

4.—**£500.—LONDON, S.W.**—Light Retail Business; well situated in main thoroughfare; corner position; returns exceed £500; the shop has double front, and is well fitted and stocked; price £500 or near offer.

5.—**£3,500.—LONDON (Suburban).**—Good-class Business, Retail and Dispensing; returns between £3,000 and £3,500 yearly; *net profit over* £750; the shop is handsomely fitted and well stocked; good house, on lease; price about £3,000.

6.—**£1,000.—LONDON, S.E.**—Residential locality; modern pharmacy; chiefly ready money; returns between £950 and £1,000 yearly, *with good profits*; the shop is handsomely fitted and well stocked; commodious house, on lease; about £900 required.

7.—**£1,150.—LONDON, N.W.**—Dispensing and Retail Business, situate in market thoroughfare, corner position; returns over £1,150 yearly; *net profit exceeds* £450; full investigation invited; about £1,050 required.

8.—**£600.—LANCASHIRE (Large Town).**—Good-class Business Retail, Prescribing, and Dispensing; returns between £550 and £600 yearly; well-fitted shop and good stock; price about £550, estimated value of stock and fixtures.

9.—**£1,150.—KENT (Naval Town).**—Old established Business, Retail, Dispensing, and Prescribing; returns nearly £1,150; *net profit* £300; the business is situate in the principal street, capital position; convenient house, on lease; price £700.

10.—**£1,400.—SOUTH COAST.**—First-class Dispensing Business, established about 30 years; returns £1,400 per annum; *net profit about* £400; the business is quite capable of being largely increased; the shop is handsomely fitted and well stocked; the situation is the best in the town; further particulars on application.

11.—**£600.—GOOD-SIZED PROVINCIAL TOWN (One Hour from London).**—Well-established Business, Retail and Dispensing; returns £600 per annum; the shop is well fitted and stocked; good house, held on lease; full investigation invited; particulars on application.

12.—**£1,500.—DEVON (Favourite Health Resort).**—Retail and Dispensing Business, chiefly ready money; returns exceed £1,500 yearly; handsome well-stocked shop, good-sized house and warehouse; price, to include furniture in house, £775.

13.—**£650.—SURREY.**—Attractive town in the centre of Surrey; well-established Business, with Post-office attached; returns exceed £650; the shop is nicely fitted and well stocked; price £500.

14.—**£250.—NORTHAMPTON.**—Light Retail and Prescribing Business; returns present rate £250 yearly, increasing weekly; the shop is well fitted and stocked; rent low; price £105.

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£800 returns.—**STAFFS.**—Exceptionally profitable Retail, with practically no opposition for miles; rent of house and shop under £20; price £550.

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£750 returns.—**LANCS.**—Light General Retail, in principal street of large manufacturing town; large, well fitted, and attractive; now carried on as a Branch; valuation about £350.

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£620 returns. **STAFFS** (Death vacancy).—Old-established concern; excellent position for up-to-date trade; energetic man could double returns at once; good house; price £500.

£950 returns.—**DEVONSHIRE.**—Light Retail, Dispensing, &c., in fine position of favourite resort; ample scope for man accustomed to good-class trade; price about £750, or valuation.

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£700 returns.—**LEICESTERSHIRE.**—Good-class family Retail, in pleasant market town; large and convenient house, good garden, vinery, &c.; short hours; price £550.

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3.—**HUNTINGDON.**—Old-established Retail and Prescribing Business; returns £500; can be doubled; low rent; good house; valuation of stock and fixtures only required, about £150.

4.—**BEDFORDSHIRE.**—Light Country Retail and Dispensing Business; returns £860; net profit £300; commanding double-fronted shop, well fitted, heavily stocked; good house, garden; price £750.

5.—**GREAT YARMOUTH.**—Light Retail, Dispensing, and Prescribing Business; returns £800; handsome double-fronted shop, well fitted and stocked; good house; can be increased; price £600, or valuation.

6.—**HOME COUNTY.** — Unopposed Light Retail, Dispensing, and Prescribing Business; returns £600; net profit over £200; rent £30, on lease; good house, large garden; price £450.

7.—**LANCASHIRE.**—Good-class Retail and Dispensing Business; returns £1,400; rent £60, on lease; good house; stock and fixtures worth £1,000; price £1,200, or offer.

8.—**HAMPSHIRE.**—Light Retail and Dispensing Business; returns £12 weekly under management; good house; shop is well situated for doing best-class trade; price £450.

9.—**NORTHAMPTON.**—Retail and Prescribing Business; returns £5 weekly, could do £10; rent £20; good house; price £105, including stock and fixtures; bargain to beginner.

10.—**LONDON, S.W. (Tooting district).**—Retail and Prescribing Business; returns £7 weekly; well-fitted shop, with good house; low rent; price £170; stock and fixtures are worth £200.

Particulars of the above and others free on application.

VALUATIONS.

SPECIAL ATTENTION is paid to Valuations, which are personally conducted by a member of the firm, in any part of the United Kingdom. Our terms, which are moderate, may be had on application.

NO CHARGE TO PURCHASERS.

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ESSEX.—Light Retail and Prescribing trade, to which Dentistry might be added with advantage; returns £950; price £800; first-rate house.

HOME COUNTY.—Family trade; returns £900; price £800; large and convenient premises, with large garden.

CRYSTAL PALACE DISTRICT.—Light Retail and Prescribing trade, under management of an Assistant; returning £8 weekly; very profitable; rent £33; corner premises; price £300 or offer.

LEICESTERSHIRE.—Good-class Country trade; returns £700; very handsome Pharmacy and good house; rent £60; price £550.

HOME COUNTY (Death Vacancy).—About 20 miles from London; returns £800; price £750, or a valuation can be arranged.

SOUTH OF ENGLAND.—An old-established Family and Dispensing Business; returns nearly £1,600; net profit over £550; price £1,300; charming residence and a reliable business.

ON THE BANKS OF THE THAMES.—Light Retail, Prescribing, and Dispensing trade, with good sale of own Proprietaries; returns last year nearly £1,000; very profitable; price £800; capital opening for Dentistry.

HUNTINGDONSHIRE.—Very old-established Country Business, with Wines and Spirits; the proprietor is retiring from business on account of old age, and will accept the value of the stock and fixtures, about £200. This is a good chance for an energetic man with limited capital, as it wants a little push to make a good business of it.

LONDON, N.E.—Light Retail, Dispensing, and Prescribing trade, in main road; returns £650; price £450; a decided bargain; very handsome pharmacy and good house.

LONDON, N.W.—Good-class Dispensing Business, in best part of a pleasant residential suburb; returns under a manager about £14 weekly; price £500 or a valuation can be arranged.

SURREY.—Good-class Retail and Dispensing, returning under a manager about £6 weekly; valuation of stock and fixtures will be accepted.

Full particulars of any of the above sent free on application.

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2.—**LONDON, E.**—Profitable Prescribing and Retail; best position in neighbourhood; net profit £200; good house, private entrance; price £300.

3.—**NORTH BRITAIN.**—First-class Retail and Dispensing; handsome double-fronted shop, in leading position; net profit about £350; price £900.

4.—**CHANNEL ISLANDS.**—Old-established Retail and Dispensing Business together with valuable Proprietary Perfume Trade; net profits about £250; price £500, or valuation and small goodwill.

5.—**SURREY.**—Family Retail and Dispensing, in good neighbourhood; returns about £500; house, 6 rooms, large garden, &c.; price £230, part can remain.

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(Next Door to Bow Church.)

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Valuations Conducted with careful attention to detail.

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BUSINESSES FOR DISPOSAL of various classes, and amounts of returns ranging from £200 to £4,000. Particulars given to bonâ-fide applicants stating outline of requirements.

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BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

BRISTOL.—£110; in consequence of ill-health, Retail and Dispensing Business; modern well-fitted double-fronted shop; thickly-populated neighbourhood; young and energetic man certain to do well. No agents. 111/13, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

BRISTOL.—Death vacancy; for immediate Disposal, old-established Chemist's Business, main busy thoroughfare near centre of city; corner premises, large frontage, good dwelling-house, modern conveniences; no goodwill; stock (small) and fixtures at valuation or very reasonable offer; lease granted to thoroughly reliable tenant. Apply, Peake, 65 Coronation Road, Bristol.

CHESHIRE.—£550; an old-established Family and Dispensing Business; in present hands 20 years; no cutting; good prices; commodious house; large garden. "Alpha," c/o Messrs. Evans, Sons & Co., Hanover Street, Liverpool.

CLIFTON.—For immediate Disposal, old-established good-class Dispensing Business, with Light Retail, situated in best part of Clifton; returns average over £1,000, and capable of extension; shop well stocked and fitted; open to strict investigation. Apply, A. C. Palmer & Co., Chartered Accountants, St. Stephen's Avenue, Bristol.

DEVON.—Large seaport town; very attractive Light Retail, Prescribing, and Dispensing Business: returns last year £700; profit £400; long lease; best position in populous district; convenient house and shop. "Fortuna," c/o Evans, Lescher & Webb, Bartholomew Close, London.

EAST COAST.—Light Retail, with Gilbey's agency; situate best position, opposite pier and gardens; shop double-fronted, modern; side door; population rapidly increasing; opening for Dentistry; returns £600; price £400 or offers: no cards. L. X. (113/9), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

JERSEY.—Family and Dispensing Business, with good-class Retail; very few Patents; shop in leading business street; returns about £750; suit qualified or unqualified man; price £500; sudden illness cause of sale; full stock; low rent; immediate possession. "Executrix" (114/27), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LANCASHIRE.—Drug Business; no opposition; stock and fixtures good; price £120; rent 7s. 6d. A. B., Messrs. Bleasdale & Co., York.

LANCASHIRE.—Small Drug Business; population 5,000; no opposition; price £50. X. B., Messrs. Bleasdale & Co., York.

LINCOLNSHIRE.—For Sale, in a large and improving market town in Lincolnshire, an old-established first-class Family Drug Business, including a very good Wine and Spirit trade and Aërated-water Manufactory, with a large local connection: the extensive premises are freehold and may be purchased with the business. Apply to Mark Smith, Chemists' Transfer Agent, Louth, Lincolnshire.

LIVERPOOL (Suburbs).—For Sale, in the suburbs of Liverpool, a first-class Dispensing Business owing to death of proprietor; well situated; capital required about £1,000; good profits; no agents. Full particulars on application to "Borax," c/o Evans, Sons & Co., 56 Hanover Street, Liverpool.

LIVERPOOL (near).—High-class Light Retail and Dispensing Business; price about £1,150; satisfactory reasons for disposal of same; strictest investigation courted from bonâ-fide applicants. 113/39, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LLANELLY.—Splendid chance for energetic Welshman, Welsh not absolutely necessary: owing to ill-health and taking Dental Practice, Wesley Jones purposes selling his genuine good-class Mixed Business; well worth £1,400; will sell cheap; open early offers; only buyer who will afterwards carry on the Business dealt with; 10 years' lease to run; probable renewal; most convenient commodious premises; foremost position; with personal attention returns easily doubled; energetic working trebled; fair Dispensing, Prescribing, Veterinary, Agricultural, Drugs, Sundries, Photographic, Tower Tea, Seeds, Patents, Proprietaries; Lock-up shop attached pays one-third rent; please make previous appointment to view by letter.

LONDON.—To be Let or Sold, as a going concern, fireproof Chemical, Metallurgical, and Electrical Laboratory and Factory; has basement and four floors, fitted with electric power and light; situated in central position in London; well adapted for Assaying and Scientific Research. Apply, Murphy, 36 Mount Stuart Square, Cardiff.

LONDON, E.C.—An old-established City Business for Disposal, near to the Bank of England; price £950; the premises held on lease at moderate rent; the trade principally Dispensing and Prescribing; the returns are over £1,000 annually, and may be very considerably increased. Full particulars from "Civic," c/o Hodgkinson & Co., 101 Whitecross Street, E.C.

LONDON, NORTH.—£300.—Within radius, in main busy road, a good Retail and Dispensing Business; very few patents: handsome shop, mahogany fittings, fine window; rent £40; returns £400, steadily increasing; valuation if preferred; anyone wanting a reliable London business will find this a bargain. "Carmine" (114/5), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LONDON SUBURB, N.E., main roads, price £120 and £250; doing £5 and £7 a week under management; rents £50; growing ready-money neighbourhood; 6 and 8 roomed houses, latter with garden; also another doing £500 year, price £400. Address, Mr. Rippen, 637 Romford Road, Manor Park, E.

LONDON SUBURBS.—A Light Family Retail, Dispensing and Prescribing; returns £700 with good profits; prominent corner, large house; ill-health cause of sale; will accept a reasonable cash offer. "Liliaceæ" (113/38), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LONDON (Edgware Road, near).—For Disposal, owing to death of proprietor, a Chemist's Business (established 1833), with a 25 years' lease, at a rent of £100 per annum; the premises contain large shop and surgery and 17 rooms (including kitchen, &c., over). For further particulars, apply to W. W. Dyke, Estate Agent, 42 Burne Street, Edgware Road Station, W.

LONDON (10 miles from).—Light Retail and Dispensing Business for Sale; returns nearly £700; net profit £250; well-fitted shop, heavily stocked; large house: rent £65; genuine business, open to full investigation; price about £650. "Quinine" (112/23), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LONDON, WEST.—An old-established good-class Dispensing Business for Sale under satisfactory conditions; returns £1,575, and the net profits are nearly £575 per annum; every facility will be given for a thorough investigation by bona-fide intending buyers. Apply, "West," c/o Messrs. Newbery & Son, 1 King Edward Street, E.C.

NORTHAMPTONSHIRE.—Good Country Business, in fast increasing town; population 1891, 5,000, now over 10,000; only two Chemists to 13,000; established by vendor in 1880, who is retiring through ill-health; rent £31 10s. For further particulars, apply "Spes," c/o Baiss Bros. & Co., 4 Jewry Street, London, E.C.

SOUTH COAST.—For immediate Disposal, under exceptional but satisfactory circumstances, a Light Retail, Prescribing, and Dispensing Business, at full prices; well established; undeniable position, good thoroughfare; long lease; most comfortable house; excellent opportunity for Dentist; interview in London by appointment; no agents; capital required about £450; fixtures and stock worth more. "South" (114/12), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SOUTH WALES (Watering-place).—Light Retail and Dispensing, with Gilbey's Agency; large house; long lease; splendid opportunity; no opposition; good opening for Dentistry; season commencing; no Welsh spoken; returns £1,350; price £900. "South Walian" (113/11), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SOUTH-WEST OF ENGLAND.—Good-class Light Retail and Dispensing Business; returns about £1,400, making good profits; handsome double-fronted shop, centre of town; 10-roomed house; genuine reasons for selling; price £950; stock and fixtures are worth near this sum. 113/40, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

STAFFORDSHIRE POTTERIES.—Thoroughly genuine Retail Cash Business; main thoroughfare; splendid position; good living accommodation; low rent; 11½ years of lease to run; returns £760; price £600; immediate possession for cash. Full particulars to bonâ-fide buyers on application to "Drugs" (112/8), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SURREY.—Old-established Business, Light Retail and Dispensing; rent £30; good house and large garden; best position, lovely locality, 20 miles London; has done £1,000; pushing man, worth attention; well stocked and opening Dentistry; no cards, no agents; price £420. Apply, "White" (108/18), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TORQUAY.—Light Retail, Dispensing, and Prescribing Business; established 18 years; ready money; suitable for energetic young man; expenses light; the only Chemist's shop in the district where situated. Apply, N., 49 Market Street, Torquay.

CHEMIST, M.P.S., retiring, offers old-established Business; good shop, stock, fixtures; full prices, producing sure living profit; healthy situation, Kent; pretty house, garden, low rent; £200 will secure it, with introduction and trial. Principals, with references, in confidence, by letter, to "Rhei," Baiss Brothers, Jewry Street.

SPLENDID opening for qualified man; population 10 000; no opposition; profitable; no Patents; returns £370; price £270, or reasonable offer; good reasons for disposal. 114/15, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WHOLESALE Drug, Oil, and Drysaltery Business, with extensive connection, in populous and increasing colliery district. Tomlinson, New Cannon Street, Manchester.

£1,500 returns; rent £50; good Mixed Business in the Potteries, with first-class connection amongst Manufacturers and Potters; a thorough introduction to mode of working will be given by proprietor, who has reluctantly to offer for Sale. For further particulars, apply, "Glazeine" (104/9), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

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3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

ADVERTISER is prepared to purchase, for cash, a good and reliable Retail Business returning upwards of £800 a year; capital ready up to £1,400; would not object to a Partnership with some gentleman seeking a gradual retirement from business. Send full particulars, in confidence, to "Major," c/o Mr. Hitchin, 240 High Street, Sutton, Surrey.

FOR SALE

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

NORTHAMPTON.—Shop-drawers, mahogany-fronted, glass knobs, gold-painted labels (clean and bright), 12 ft. long, 60 drawers, lockers below, 4 ft. high, with mahogany uprights and shelving, £7 10*s.*; smaller range as above, 2 ft. 2 in. long, same height, 22 drawers, £3. Holme, Chemist, Northampton.

TO LET.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

DORKING.—To be Let on a lease, in the town of Dorking, a good shop and house for the trade of a Chemist and Druggist, situate in the most rising part of the town. Apply to V. Culverwell, House and Estate Agent, Dorking.

HOVE, BRIGHTON.—To Let, large double-fronted corner Shop, in main road; first-class opening for Chemist; exceptionally well-arranged house and offices; 5 bedrooms, bath-room, 2 reception-rooms; private and back entrances; large vault, suitable for storage or workshop; rapidly-rising neighbourhood. Apply, Parsons, 118 Church Road, Hove.

PARTNERSHIPS.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

PARTNERSHIP.—Half Share offered for £200 to qualified married Chemist holding Dental registration, and possessing sound references, in Branch doing £700 to £800 under Manager, and offering splendid opening for Dentistry; modern mahogany-fitted pharmacy; good house; centre large seaport; artisan trade; sole ownership on equitable terms at end of partnership; must be a pushing, capable man. Apply, 113/8, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

APPRENTICESHIPS.

RETAIL.

MANCHESTER DISTRICT.—Wanted, Apprentice for Chemist's business; Manchester district; must have passed Preliminary examination; no premium required. Address 11/26, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

RETAIL.

ASCOT.—Outdoor Assistant wanted for Light Retail and Dispensing business, aged about 24; must be quick and accurate Dispenser; easy hours. Send full particulars with salary expected (enclosing photo to be returned), to Sandwith & Clayton, Ascot, Berks.

BARNSLEY.—Wanted, Manager for Mixed Retail, Wines, Spirits, and Tobacco; registered; energetic, obliging, and trustworthy in every way; married; one desirous of purchasing a very old-established business preferred. Apply, stating experience, age, salary required, also enclosing references and photo, to J. L. P. Hollingworth, Chemist, 21 New Street, Barnsley.

BATH.—Part-time and time to study.—Assistant with some medical knowledge, or one wishing to take up medicine; will get good experience in Extracting under gas, with a little knowledge of general Dental work; visit and Midwifery occasionally; must have perfect references; small salary. White, Surgeon, Bath.

BATH.—Good Junior (outdoors), about 20 or 21 years of age, in good-class cash trade; May 24. The Bath Drug Co., 11 Abbey Churchyard, Bath.

BATH.—Steele & Marsh require an experienced and competent Assistant; Minor qualification. Also a Junior; one just out of his time, but accustomed to a good-class business. Apply, stating age, height, and salary required, enclose photo (to be returned); good references indispensable.

BEDFORD.—Junior Assistant, accustomed to routine of a good-c business; age not under 21. Apply, stating full particulars a previous experience, salary required, height, &c., to John Ekins, B Street, Bedford.

BEVERLEY (Yorkshire).—Wanted, at once, qualified Assista good wages; short hours; no Sunday duty; one used to push Store trade preferred; permanency to suitable man. Apply, with particulars, stating age, references, &c., photo if convenient, to Mason Booth (Limited), Cash Drug Stores, Beverley.

BIDEFORD.—Junior Assistant wanted for a few weeks; good penser. Thomas Hogg, Chemist, Bideford.

BIRMINGHAM.—Junior or Improver, for Mixed trade with Pa and Oils; outdoors. Apply, stating when disengaged and sa required, Johnson, Chemist, Sparkbrook, Birmingham.

BIRMINGHAM.—A qualified Assistant; he must be an accu Dispenser and a good Counterman. Apply, stating terms experience, to T. W. & W. Southall, Bull Street, Birmingham.

BOGNOR-ON-SEA.—Wanted, at once, a steady and reliable Assist about 24 (indoors); must be well-up in Dispensing and good-c Retail. State age, height, and send photo (which will be returned), state salary wanted, to J. Hughes, Bognor.

BRECON.—Wanted at once, a good Junior, about 20, for Mixed tra indoors; easy hours. Send usual particulars, with photo and re ence, to W. Tudor, Chemist, Brecon.

BRIGHTON.—Wanted, at once, unqualified Assistant to assist at fr counter, and in the Dispensary, for Hastings; Qualified Dispen Western Road, Brighton; an unqualified Assistant at Tunbridge We Counter and Dispensary, and with knowledge of Photography; a sma qualified man to Manage Sub-Branch also required. Apply, with particulars, stating age, experience, and salary required (all outdoors). George C. Dusart, Sussex Drug Co. (Limited), 135 Queen's Road, Bright

BRISTOL.—Qualified Assistant, early in June; good Dispenser Counterman; knowledge of Photography valued. Full particul enclosing photo if possible, to W. Thomas, 82 Stokes Croft, Bristol.

BRISTOL.—Junior, about 19, outdoor, for brisk Retail; hours 8.3 9, Saturdays 11; alternate Sunday evenings 8 to 9; half holi weekly, and one evening at 6 two weeks out of three. J. Chandler, Rus Town, Bristol.

BROMLEY.—Wanted, Junior or unqualified Assistant (not tempora of good appearance and address; also good Counterman and Sto keeper; nice business in pleasant locality near London; comfortable ho Apply, with full particulars, stating salary required, references, and ph (to be returned), to J. Timmis, 60 Mason's Hill, Bromley, Kent.

CADOXTON-BARRY, Wales.—Junior or Improver (outdoo immediately. Send carte if convenient (to be returned), also st age, height, salary expected, references, and when disengaged, H. J. Owe Store Chemist.

CAISTOR.—Junior wanted: indoors; used to Mixed country bu ness; state age, salary required, and enclose photo. Watson, Cais Lincolnshire.

CARDIFF.—Wanted, an Assistant; outdoor. Apply, stating a salary, &c., W. R. Williams, Chemist, King's Road, Cardiff.

CARNARVON.—Wanted, an Assistant, with a few years' experien Apply, with particulars, to "LL," 26 High Street, Carnarvon, Nor Wales.

CHELTENHAM.—Manager wanted, qualified, married, stea energetic, reliable, for Light Retail and Dispensing, with own P prietaries; opening another shop, wishes one to conduct old busine State age, experience, references, photo, salary (with house and gas), Arth Hill, Chemist and Dentist, Winchcomb Street, Cheltenham.

CHINA.—A thoroughly competent Assistant, accustomed to first-cl Dispensing and Retail; not over 30 years of age; 4 years' agr ment; passage paid out and home. Address, "China," c/o A. S. Watson Co. (Limited), 8 Fenchurch Buildings, E.C.

COLCHESTER.—Qualified Assistant for Counter, aged about (2, qualified, on staff, both indoors); good experience, referenc &c.; salary £60. Full particulars, enclosing c.d.v., to W. Edes Evere St. Botolph's Pharmacy, Colchester.

CREWE.—Wanted, a thoroughly reliable Assistant (qualified preferre at once; indoors; hours light; must be active, obliging, and stead a Junior kept. Usual particulars to Ashfield, the County Drug Stor Crewe.

CROYDON.—Indoors; smart Assistant, about 23; must be well-up Dispensing and Counter; liberal salary to suitable hand. App stating fullest particulars, to H., c/o Messrs. Hodgkinson & Co., 101 Whi Cross Street, E.C.

EASTBOURNE.—At once, reliable Junior Assistant with good ref ences, aged about 21; time allowed for study; abstainer preferre Send full particulars as to age, height, salary required, photo and refe ences, to E. G. Bayley, Chemist, Seaside Road, Eastbourne, Sussex.

ERDINGTON.—Junior Assistant wanted (indoors) at once for lig class Retail. Full particulars to Walter Wilton, Erdington.

GENEVA.—Wanted, an Assistant of good address and appearanc must speak French well and be accustomed to a high-class Inte national and Dispensing trade. Apply, with references and photo, to th Anglo-American Pharmacy, 13 Rue des Allemands, Geneva, Switzerland.

RETAIL—continued.

HADFIELD.—Energetic Junior or Improver wanted; used to Mixed business; must be willing and obliging; state age, salary required (indoors), if abstainer, and enclose photo (to be returned). Richardson, Chemist, Hadfield, Derbyshire.

HARWICH.—Assistant wanted, at once (indoors) not under 23 years, accustomed to Dispensing, Prescribing, and Retail Counter, and capable of taking charge occasionally. Apply, with full particulars (enclosing photo), to A. Worts, M.P.S., Harwich, Essex.

KARACHI.—Qualified Assistant wanted, aged from 25 to 30 years, with first-class London experience; thoroughly steady, and good Dispenser; 4 years' agreement: salary about £130 first year, £150 second year, £170 third year, and £190 fourth year; board and lodging provided; second-class passage by P. & O. paid to Karachi, viâ Bombay. Apply, with full testimonials and photo, to Export Department, S. Maw, Son & Thompson, 7 to 12 Aldersgate Street, E.C.

LONDON, N.—Immediately, a smart qualified Assistant for Branch; aged from 23 to 30; also an experienced Assistant, competent to take charge; both indoors; liberal salaries; weekly half-holiday; very little Sunday duty. State salary expected, when disengaged, references, &c., "Pharmacist," c/o Messrs. Evans, Lescher & Webb, Bartholomew Close, E.C.

LONDON, N.—Junior, about May 20th; must be a good Dispenser. Personal interview preferred, or send usual particulars to G. Dickinson, 72 Archway Road, Highgate, N.

LONDON SUBURB.—Dispensing Assistant, in a good suburban house; qualified preferred, and one accustomed to a good class of business. Apply, with usual particulars, to J. L., c/o Mr. Ponting, 40 Aldersgate Street, E.C.

LONDON, S.W.—Assistant wanted, of good experience and address, qualified, about 23 years of age, where 3 are engaged, for first-class Retail and Dispensing. Apply, W. Malden & Co., 195 Brompton Road, near South Kensington Museum, London, S.W.

LONDON, S.W.—Wanted, a smart Assistant, about 21, by June 7; must be well recommended; abstainer preferred. Apply, personally or by letter, with full particulars and salary required, to Lloyd, 267 King's Road, Chelsea.

LONDON, W.—John Barker & Co. (Limited), Kensington, W., are in want of an Assistant; personal application necessary; indoors; hours 8 to 7, 2 o'clock Saturdays.

LONDON, W.—Junior Assistant; must have had good experience, and be a reliable Dispenser. Apply, personally preferred, to Davies & Long, 48 Dorset Street, Baker Street, W.

LONDON, N.—Assistant wanted (outdoors) for small business; not under 23; suit one preparing for examination; three hours daily allowed for reading on the premises; half-holiday weekly; satisfactory references required. Apply, by letter only, stating salary, &c., to "Chemist," 100 Park Street, Stoke Newington.

LONDON, S.E.—Resident Manager for Light Retail and Prescribing business; state usual particulars. Also Junior or Improver; indoors; comfortable home; send photo with usual particulars. Davy, Hill, Son, Yates & Hicks, 102 Southwark Street, London.

LONDON, S.E.—Part-time Assistant: board and lodging in return for services; near three schools; good references essential. Send full particulars to Bunker, 135 Great Dover Street, London, S.E. (One other assistant kept.)

LONDON, S.W.—Wanted, good Junior Assistant, active and obliging. State full particulars and salary required, also enclose photo if convenient. Chas. Lowe & Co., Surbiton, S.W.

LONDON, S.W.—Assistant required (good counterman) for store system; one unqualified, seeking permanency, entertained; indoors; daily recreation and usual weekly evening off. Apply, Thornton's Drug Stores, Landor Road, Clapham.

LONDON, S.W.—Wanted, qualified Assistant for up-to-date Store trade; permanency. State full particulars, or apply personally, to G. F. H. Bartlett, Chemist, Battersea.

LONDON, S.W.—Messrs. T. Jones & Co., Putney, require a competent Junior; one who writes a good hand, and has been apprenticed at a Dispensing business; a student would be treated with; good references indispensable; please send photo, if convenient.

LONDON, N.W.—Junior Assistant, accustomed to good-class Retail, Dispensing, and Prescribing business; indoors; aged about 20. Personal application preferred; if by letter state experience, height, salary, when disengaged, and enclose photo (to be returned), L. Jones, 195 High Street, Camden Town, London, N.W.

MANCHESTER.—Wanted, in Manchester district, active Junior (outdoors), about 20, for pushing Retail business; must be quick and reliable, a good Counterman, and accustomed to the sale of Photographic requisites. Address, stating age, experience, references, and salary required. 111/25, Office of THE CHEMIST AND DRUGGIST, 42 Cannon St., E.C.

MARGATE.—Improver wanted; an excellent opportunity for one wishing to finish or just out of his time. Send all particulars to V. J. Woolls, Chemist, Margate.

NEATH.—Wanted, end of May, a qualified Junior; reliable Dispenser; outdoors; hours 8.30 A.M. to 8.30 P.M., excepting Saturdays, and no Sunday duty. Apply, giving the usual particulars, to W. Hibbert & Son, Neath.

NORTHAMPTON.—Indoors.—Wanted, Junior or Improver, to assist in Wholesale and Retail. Apply, stating age, salary, reference with photo, to P. Jeyes & Co. (Limited), 6 Drapery, Northampton.

NORTHAMPTON.—Assistant for good Branch, at once; must have exceptional references; unfurnished house. Apply, with photo and usual particulars, Ashford, Northampton.

NORTH WALES.—Wanted, qualified Assistant, to manage a Branch; Welsh essential; must be thoroughly reliable and trustworthy, and have good references; aged 25; outdoors. Apply, with full particulars as to height, salary required, enclosing photo, to G. E. Gratton, Chemist, Blaenau Festiniog, North Wales.

NOTTINGHAM.—Wanted, Junior Assistant, for Mixed business with Dispensing; indoors. Apply, H. Sheppam, Dispensing Chemist.

PAIGNTON (Devon).—Immediately, qualified Assistant in Dispensing and Light Retail business; knowledge of Photography preferred. Apply, with photo and full particulars, to Sarson, Central Pharmacy.

PETERSFIELD.—May 15; Assistant, reliable, good writer, and neat (outdoors), for good-class Country business; references; no Sunday duty. Write full particulars, height, salary, &c. (and photo), in first application, to F. B. Nichols, High Street, Petersfield, Hampshire.

PONTYPRIDD.—Wanted, immediately, a qualified Assistant to manage Branch; Welsh preferred; outdoors. Apply, with full particulars, to D. W. Davies, Chemist, Station Street, Porth.

REIGATE.—Firm of Surgeons require temporary Dispenser for a fortnight, commencing June 28; Minor qualification and reference indispensable. State terms (outdoors) to Dr. Walters, Reigate, Surrey.

RICHMOND.—To Students and others.—Wanted, a Junior Assistant, for part or whole day two or three times weekly. For particulars apply, stating age, experience, and reference, to Hopwood & Son, Pharmaceutical Chemists, Richmond, Surrey.

SHEFFIELD.—Wanted, smart Assistant with good references. Apply, with usual particulars to Twelves, Chemist, Sheffield.

SOUTHAMPTON.—A qualified Senior Assistant for high-class Drug Store; one having filled a similar position preferred; must be active, energetic, and possessing good business qualifications. Address, with photo, No. 1, c/o Randall & Son, Chemists, Southampton.

SOUTHSEA.—An Assistant (indoors) for good-class Retail and Dispensing. Apply, stating age, height, salary, &c., with photo (to be returned), to J. G. Sangster, Pharmaceutical Chemist, Southsea.

SOUTH AFRICA.—Assistants (qualified) open to accept situations in this rapidly rising colony, should apply to B. G. Lennon & Co. (Limited), 75 Leadenhall Street, London; applicants should be of sound health and not over 30 years of age.

ST. LEONARDS.—Junior for Light Retail and Dispensing business; two kept; indoors. State age, height, references, salary required, when disengaged, and enclose photo (returnable), E. Ripley, 261 London Road, St. Leonards.

STONE.—Wanted, smart trustworthy Assistant in good Mixed country business, with gentlemanly appearance and address; must be smart at counter, able to dispense, and take occasional charge; qualified or otherwise. State age, height, experience, references, and salary required (indoors), enclosing photo (if possible) to F. Jacks, Chemist, Stone, Staffs.

STOURBRIDGE.—A good Junior, not under 21, indoors, in a Dispensing and good-class Retail business; must have had experience in Dispensing. State age, height, salary required, when disengaged, and enclose carte, A. Yeates, Chemist, Stourbridge.

SWANSEA.—Wanted, immediately, an energetic young man, about 24, to take charge of a General Retail; state salary, reference; Welsh desirable: send photo (to be returned); indoors. Apply to D. Rees, 188 High Street, Swansea.

WARMINSTER.—Wanted, a Junior, with first class references, for a good-class Country business. Apply, stating age, height, and salary required (indoors), no duty, Richards, Chemist, Warminster.

WESTERHAM.—Wanted, reliable Assistant for good Dispensing and Prescribing business; age 26 to 30; permanency; indoors; easy hours; no Sunday duty. Enclose photo, with full particulars, to W. Fox, Westerham, Kent.

WOLVERHAMPTON.—Junior Assistant, indoors, of good address, abstainer; accustomed to Country trade; character must bear strict investigation. Apply, stating age, height, salary required, when at liberty, with references, to Fleming & Son, Pharmaceutical Chemists, Wolverhampton. Applications not answered within three days declined.

ASSISTANT (unqualified), for good-class Cash business. Apply, with usual particulars, enclosing photo, if possible, and stating time in last two situations, to "Statim," c/o Messrs. Mace & Haldane, 94 Milton Street, London, E.C.

A THOROUGHLY competent man (qualified) required to manage a Cash Retail and Shipping business; married preferred. State age, height, salary (with unfurnished house), references, and enclose photo, to Hicks & Co. (Limited), Cardiff.

SITUATIONS OPEN CONTD

RETAIL—continued.

JUNIOR Assistant or Improver required, immediately, within easy distance of London; must be active, obliging, and reliable; one with a knowledge of Photography preferred, but not indispensable; half-holiday weekly. Usual particulars, with photo (to be returned), and salary required, to "Cortex" (110/12), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, Junior Assistant, where board and lodging, time for study, and attending classes would be accepted in lieu of salary. F. (114/29), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WHOLESALE.

LONDON.—A leading London firm require a Provincial Representative to call upon Physicians and Pharmacists; must be of gentlemanly appearance and address, and possess an intimate knowledge of Medicine and Pharmacy. Apply, stating age, salary required, experience, and qualifications, to F. R. & Co., c/o Fahrni's, 28 Great Marlborough Street, W.

LONDON, S.E.—Counter hands wanted. Apply, 101-3 Southwark Street, S.E.

LONDON, S.E.—Wanted, Junior Invoice Clerk accustomed to Wholesale Drug-trade. Apply, 101-3 Southwark Street, S.E.

LONDON.—Dispatch Clerk wanted for the Country Order Counter; a smart youth who has had experience in packing and dispatching goods; must be active and obliging, and a systematic worker. Apply, personally, Bishop's Pure Drug Company, 460 Holloway Road, N.

READING.—Wholesale; a Junior hand who has had good all-round experience. Give particulars of experience, age, height, and wages required (outdoors), Bradley & Bliss, Reading.

OLD-ESTABLISHED Manufacturing firm of Disinfectants, Soaps, &c., are desirous of engaging the services of first-class Traveller for Edinburgh and East Coast Scotland. Apply, Box 152, T. B. Browne's Advertising Offices, Glasgow.

TO Chemists.—Qualified man wanted, for a large concern in the North. Apply, stating age, experience, and salary required, to Box 1,364, Sell's Advertising Offices, London.

WANTED, Invoice Clerk accustomed to the Wholesale Drug and Chemical trade; must write a good hand and be quick at figures. State requirements and references to H. O. W., c/o Messrs. Goodinge, 16 Aldersgate Street, London, E.C.

BOARD AND RESIDENCE.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

TO Students.—Board and Residence, within easy distance of the Metropolitan and South London Schools of Pharmacy; bus and trams pass the gates every five minutes; pleasantly situated; terms moderate. Apply, 34 Durrand Gardens, Clapham Road.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 6 words beyond.

RETAIL.

MAJOR; 22; London or abroad. L., 98 Erlanger Road, New Cross, S.E.

AS Manager: qualified; aged 34. "Chemist," 45 Warwick Road, Stratford, E.

LOCUM-TENENS; 45; town or country. Baker, 154 Fortess Road, London, N.W.

QUALIFIED; 24; 9 years' good-class experience. Plant, Hassell Street, Hauley.

ASSISTANT; 24; London preferred; references. C., 103 North End, Croydon.

JUNIOR; 21; 5 years' experience; outdoors preferred. E. Southen, Caistor, Lincolnshire.

GOOD all-round quick trade; in or out; disengaged; 44. D., Pearce's, Chemist, Edmonton.

MANAGER or Locum; aged 36; single. "Extractor," 154 Princess Road, Park, Manchester.

HALF-DAY engagement desired from 2.30; qualified; aged 43. C. M., 347 Green Lanes, N.

ASSISTANT, season or otherwise; excellent experience. "Chemist," Charles Street, Louth, Lincs.

LOCUM or permanent: disengaged; aged 29; good Extractor. 2 Horton Street, Lewisham.

ASSISTANT, unqualified, requires an outdoor situation. "Homo," 2 Kingsmead Terrace, Bath.

PART-TIME; from 9 A.M. to 5 P.M.; West-end experience. "Argon," 49 Southfields Road, Wandsworth.

LOCUM or Manager; disengaged; qualified; experienced; 45. "Statim," 42 Mayhrick Road, Bath.

ASSISTANT; aged 27; good counterman; unqualified. "Dulcis," 3 Rodney Place, Walworth, London.

JUNIOR; outdoors; disengaged; speaking French fluently. "Alpha," 139 Wandsworth Bridge Road, Fulham.

QUALIFIED; 24; first-class experience; London preferred. "Salol," 67 Lamb's Conduit Street, W.C.

DISPENSER wants employment, few evenings weekly; would assist. Particulars, "Abel," Polytechnic, Woolwich.

LADY wishes to Dispense for Surgeon 3 evenings a week; no salary; London. R., 101 Mildmay Road, London, N.

LOCUM or temporary; 26; experienced; excellent testimonials; dates booked. "Locum," 17 Ramsden Terrace, Leeds.

ASSISTANT; outdoors; 27; 3 years' West-end experience; unqualified. "Kirkby," 46 Clapham Road, London, S.W.

DOCTOR'S Dispenser (Guy's man) requires evening work only; quick and accurate. A. Z., 89 Falmouth Road, S.E.

QUALIFIED, aged 22, seeks situation where good experience can be gained. T. H. Lloyd, 30 Hartwood Road, Southport.

SENIOR or Locum-tenens; good-class experience and references. Apply, "Chemicus," 91 Waldegrave Road, Brighton.

MANAGER (Branch) or Assistant; Extractor; 45; qualified; married. "Chemicus," 152 Newcastle Street, Burslem.

JUNIOR; 20; 5 ft. 9 in.; good Dispenser; total abstainer; disengaged; 4 years' experience. Mitchell Peveril House, Accrington.

JUNIOR; 23; little time for study; 7 years' varied experience; good references. "Rhei," 35 Richmond Road, Addison Park, W.

ASSISTANT; 14 years' London and Country experience; good references. "Chemicus," 148 Great Dover Street, London, S.E.

PART-TIME; London; 24; 9 years; good references; West-end experience. "Chemist," 62 Victoria Road North, Southsea.

ASSISTANT; outdoors; 25; 10 years' good town and country experience; disengaged. Evans, 33 Trinity Square, Borough, S.E.

ASSISTANT; 21; 6 years' good experience; tall; excellent references; North preferred. Pattison, Hume Terrace, Darlington.

ASSISTANT; 36; unqualified; good references; outdoors; varied experience; Stores preferred. "Drugs," 19 Devonport Road, W.

ASSISTANT or Branch Manager; 26; outdoors; qualified; disengaged; three years in last place. Dennis, 17 Broad Bank, Louth.

TEMPORARY Assistant; qualified; aged 28; tall; seaside preferred; good experience and references. H. F. Cross, Sussex Place, Slough, Bucks.

AS Manager of small Branch (seaside preferred), with view to ultimate succession; highest references. "Lux," Clyde House, West Parade, Norwich.

DISPENSER to Surgeon or firm of Surgeons; excellent references; aged 24; London or suburbs. "Student," 25 Zigzag Road, Liscard, Cheshire.

ASSISTANT; nearly 22; 8 years' experience; unqualified; good Counterman and Dispenser. M. D., c/o J. B. Ellisson, Kilnhurst, Rotherham.

LOCUM; disengaged; 24; tall; Minor; West-end and Provincial experience; hooking for season. Burgess, Harriet Place, Spring Bank, Wigan.

DISPENSER; outdoors; 24; good references and experienced; fluent English, French; London, S.W., preferred. "Antipyrine," 57 Sydney Street, Chelsea.

TEMPORARY or Manager; aged 28; qualified; best experience. Address, "Minor," 113/37, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SITUATIONS WANTED CONTD

RETAIL—continued.

ASSISTANT or Manager; 25; tall; Minor; first-class West-end and Provincial experience. "Ohemist," 4 Laurel Villas, Spring Bank, Pemberton, Wigan.

AS Assistant or Manager; outdoors; aged 33; good references; Extractor. B. (111/14), Office of THE OHEMIST AND DRUGGIST, 42 Cannon Street, E.O.

HOLIDAY Looum, by retired Pharmacentical Ohemist desiring occasional occupation only; references; disengaged. "Ohemist," 45 New Walk, Leicester.

LONDON; 35s. per week, outdoors; Assistant or Manager; qualified; married; 39; Oity and country experience; permanency. Perks, 1 Portwood Street, Liverpool.

ASSISTANT; 26; 10 years' experience; unqualified: married: Dispense, Prescribe; good references. "Statim," 137 St. Stephen's Road, Upton Park, London, E.

QUALIFIED German Assistant, with good testimonials, speaking a little English, wants situation with small salary. Pfeffermann, 57 Highbury Park, London, N.

QUALIFIED, 24, experienced, good refereuces, seeks outdoor berth; London preferred. Godfrey (112/5), Office of THE OHEMIST AND DRUGGIST, 42 Oannon Street, E.O.

MANAGER or outdoor Assistant; married; qualified; good Prescriber, Extractor, &c; undeniable references. "Chemist," St. Wolston House, Wigston, Leicester

ASSISTANT; permanency; married; good references; thorough knowledge Dentistry; Branch preferred; disengaged May 18th. Prizeman, Prince Wales Avenue, Reading.

SENIOR or Manager, 30, Minor, in good-class business, Midlands preferred; good references. "Bismuth" (110/27), Office of THE OHEMIST AND DRUGGIST, 42 Oannon Street, E.O.

QUALIFIED Chemist, with first-class Dispensing and Retail experience, seeks Managership or berth, preferably in Eastern Oounties. O. H. O. Fitt, St. John's Villa, Park Lane, Norwich.

MANAGER; permanency; over 20 years' experience; married; excellent references; good knowledge of Dentistry; Liverpool or district preferred. Stocks, 78 Lark Lane, Liverpool.

ASSISTANT or Branch; temporary or permanent; good Prescriber, Extractor, &c; middle age; unqualified. "Rhenm" (113/35), Office of THE OHEMIST AND DRUGGIST, 42 Oannon Street, E.O.

MAJOR wishes situation in good-class Retail or in Laboratory; first-class experience; disengaged. "Pharmacentical" (109/16), Office of THE OHEMIST AND DRUGGIST, 42 Oannon Street, E.O.

QUALIFIED; 20 years' experience; good references (family); Dispensership, Firm of Surgeons: Hospital, Managership for widow; or other suitable position. "Alpha," 26 High Street, Abergavenny.

IMPROVER.—Wanted, a situation in a good business, where time may be completed with advantage: abstainer; good refereuces. Apply, F. A., W. W. Flood & Co., 206 and 208 Borough High Street, S.E.

WHOLESALE.

BUYER (experienced); qualified; modern prinoiples. "Ohemist," 16 Hereford Road, Bayswater, W.

WANTED, by young man, aged 21, situation in Ohemist's Warehouse; good references. J. P. B., Laburnum Villa, Benhill Road, Sutton, Surrey.

SAUCE Manufacturer (As), by good practical man, experienced in every detail. "Relish" (108/10), Office of THE OHEMIST AND DRUGGIST, 42 Oannon Street, E.O.

SOAP and Perfumery Traveller, good connection in the Midlands and North, seeks re-engagement; good references. "Soap" (114/23), Office of THE OHEMIST AND DRUGGIST, 42 Oannon Street, E.O.

TRAVELLER, calling on Ohemists and Grocers, representing first-class English house in Ireland, wishes to meet with another who would pay part salary and expenses. "Medicus," 26 Stephen's Green, N., Dublin.

ASSISTANT, experienced in making and putting up Preparations, Proprietaries, Formulæ in large quantities; thoroughly reliable; excellent references; aged 26. "Ohemist," 9 Boston Villas, Hermitage Road, Finsbury Park, N.

WANTED by young man (A. Sc. and final B.Sc. Exam.) suitable post with a manufacturing house, in their Analytical or Manufacturing Laboratories; has been four years in Analytical Laboratory of a large firm, and has general experience in Pharmacy. Apply, J. O. T. (109/39), Office of THE OHEMIST AND DRUGGIST, 42 Oannon Street, E.O.

MISCELLANEOUS.

Special charges are made for Advertisements under this heading, which can be obtained on application.

TO be Sold for £20 only, the English Patent No. 14,089 (Blue by Electrolysis). Address, "K. 8415," c/o Rudolf Moss, Munich.

CALLERS on Farmers and Stockbreeders will hear of good commission article on applying to Terrol (Limited), Forest Hill, London, S.E.

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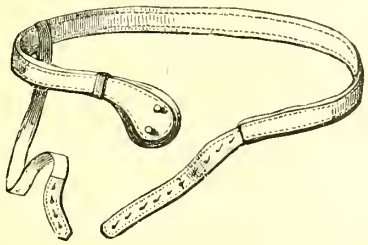


FIG. 2. DOUBLE.

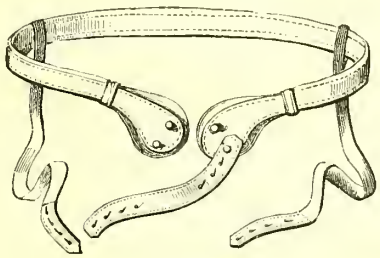


FIG. 3.—SINGLE.

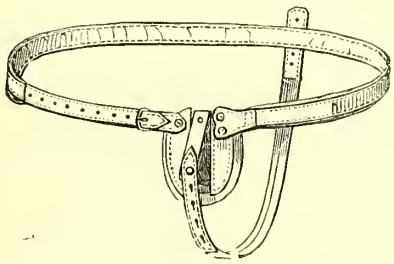
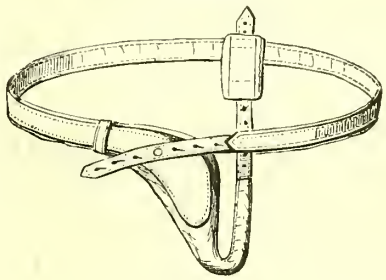


FIG. 4.—SINGLE.



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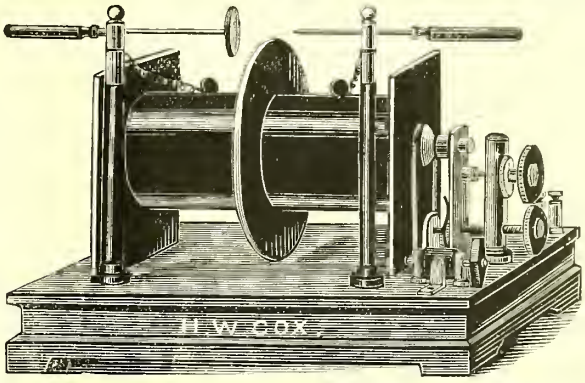

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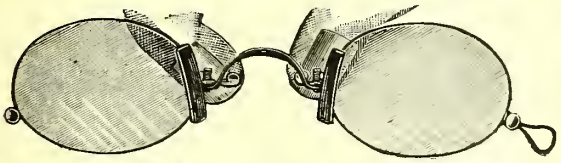

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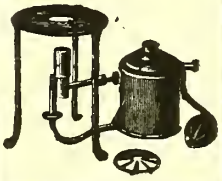

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FOLIO EDITION, 12 in. deep, 4¾ in. wide. Convenient for Desk or Counter. 2/6, 3/6, and 4/6

SILVERLOCK'S BOOK OF POISON LABELS.

(Diamond Shape.)

Containing a Complete Set, with Strength and Dose, FIFTH EDITION REVISED, with additions. Each Set has one or two Labels for every Poison. The number 1 or 2 at the top of the Label refers to Schedule (A) Sale of Poisons Act, thus showing if the article is to be registered.

Printed on Orange Paper, Varnished.

PRICE 3/6.

The Diamond Jubilee.

SANDELL EXHIBITION

LAST FEW DAYS.

Closes positively at 10 p.m. Saturday, May 15, premises being required for immediate extension of factory.

Upwards of 1,000 persons have already visited the Exhibition, coming from all parts of England.

ACTIONS SPEAK LOUDER THAN WORDS.

We claim that this Exhibition is unparalleled. No manufacturers have ever before been able to produce such convincing proof of SUPERIORITY and PROGRESS. We are glad to note that it has already stimulated our brother Plate Makers to improve their Plates by Backing.

DEMONSTRATIONS of WORKING by the INVENTOR will be given as under:—

SATURDAY, MAY 8th, at 3 and 8 p.m. TUESDAY, MAY 11th, at 3 and 8 p.m.
MONDAY, „ 10th, „ „ FRIDAY, „ 14th, „ „
SATURDAY, MAY 15th, at 3 and 8 p.m.

His Grace the late ARCHBISHOP OF CANTERBURY wrote, April 2nd, 1895:—"They are exquisite. The interior of St. Paul's the most beautiful architectural photograph I have ever seen. (Signed) "E. CANTUAR."

J. L. PEARSON, Esq., R.A., F.S.A., writes:—"The new process seems admirably adapted for interiors, so much better than any I have hitherto seen"

The JURORS of the late INTERNATIONAL EXHIBITION, MELBOURNE, said:—"The interiors shown by the Sandell Works Co. we think the best work of the kind we have seen."

W. J. STILLMAN, Esq., *Times* Correspondent, Rome, writes:—"Certainly no previous attempts at photographing our splendid church interiors have approached these, and the thanks of the architectural world are due to the inventor of the plates which has made them possible."

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EVERY PHOTOGRAPHER SHOULD VISIT IT IF HE VALUES HIS FINANCIAL WELFARE.

Exhibition Building, 215 Selhurst Road, South Norwood; Railway Station. Norwood Junction, L. B. and S. C. Railway. Trains from Willesden, L. and N. W. R.; Liverpool Street, G. E. R.; Kensington, Victoria, and London Bridge; 6 minutes by rail from Crystal Palace, Low Level. Tickets and Catalogues free from Dealers or at the Doors.

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Telegrams—"STEREOGRAM LONDON." **LONDON, S.E.** Managing Director—J. T. SANDELL.

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In consequence of the recent prosecutions under the Food and Drugs Act, Messrs. Beetham & Son have received inquiries from members of the Retail Trade as to whether they were perfectly safe in selling "BEETHAM'S GLYCERINE AND CUCUMBER," and whether Messrs. Beetham would guarantee the composition of their preparation to be as represented.

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The New Indian Perfume.

AN UNDYING FRAGRANCE.

Distilled by the Proprietors of

"HASU-NO-HANA"

The New "Japanese" Perfume.

Of all Chemists and Perfumers throughout the Empire.

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PERFUME AND TOILET SOAP FACTORY.

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„ 711, Best Flower Toilet Soap, 3½ ounces, oval shape, in different scents	„	17/6
„ 658, Ditto ditto ditto flat shape ditto	„	17/6
„ 658A, Ditto ditto 3 ounces, ditto ditto	„	16/-
Buttermilk Complexion Soap, 3½ ounces each piece ..	„	17/-
Buttermilk Complexion Soap, in Balls.. .. from 18/-	„	to 24/-
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Perfume in neat bottles from 1/6 per dozen upwards. Also Soaps and Perfumes at lower and higher prices. Also, as advertised in different papers. Bergmann's Lily-Milk Soap, sale price, 6*d*. per piece.

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3/6 Large „ ..	..	28/- „
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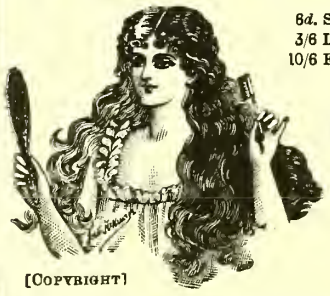

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CONCENTRATED Egg Julep, 2/6, 5/-, 10/6.
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EUCHRISMA. Combines in one clear Fluid every valuable Component both of a Hair Grease and Wash. 3/6, 5/-, 10/6, 21/-

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Arnica Wash, 3/6, 5/-, 10/6.
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(BY ROYAL LETTERS PATENT.)
PRICE ONE SHILLING.
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AMERICAN

MANICURE PREPARATIONS

A FULL 6d. LINE (miniature sizes of his regular Goods). You have only to show them, **THEIR SALE IS ASSURED**, and will be **AS GOOD** a line as his now **FAMOUS** Violet **AMULETS**, including the novel production "**AMBERLAVE**," a **FLUID TOILET SOAP**.

All at 48/- per gross.

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Nail Files, Emery Boards, Bleachine, Cleansing Powder, Orange Wood Sticks, Cosmetic Brush, Cosmetic Aurora, Agate Na Powder, Oriental Nail Varnish, Suc de Mimosa, Cuti Cream and Amberlave.

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PRIZE MEDAL.

Recommended by Eminent Medical Men.

Unscented, yet Sweet as a Rose.

Although low in price, it ranks with high-class soaps, and is altogether the best extant for producing a Clear and Healthy Skin.

☛ The longer it is kept the more it improves and increases in value

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ESTABLISHED 1862.

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MANUFACTURED BY THE

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Powder.
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An entirely new perfume, and most true in character and exceedingly strong. Especially adapted for use in perfumery and scented soaps (milled process).

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A new perfume; most true in character and exceedingly strong. Recommended for use in perfumery and scented soaps (milled process).

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Natural Concentrations of Flowers.

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ALCOHOLIC PREPARATIONS, ROSE AND ORANGE WATER

Ess. Oils of Lemon, Orange & Bergamot.

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1 gross, **3/4½** per dozen. 5 gross, **3/4** per dozen. Retail, **4d.** per tablet. Subject to a special discount of **15%**.

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CONCENTRATED FLORAL EXTRACTS,
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COMPOUND PERFUMES for SOAPMAKERS.

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THE NEW TOILET SOAP.

HUGGINS' SOAP WORKS, Lim., are now appointing Agents amongst respectable Chemists in all the leading towns in the United Kingdom.

Unprecedented favourable terms to the first Three Hundred appointed.

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BEST QUALITY

TOOTH BRUSHES

72/- per Gross.

Each Bearing Trade Mark and Warranted.

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Carbolic 3/9 & 7/-

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WHITE ROSE

12/- & 20/- per doz.

RED OR WHITE CHERRY,

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Aromatic 8/6

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S. MAW, SON & THOMPSON, LONDON.

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New Bottle,
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Attractive,
Contains 2 ounces,
Suitable
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SEND ORDER FOR 1 DOZ. EACH KIND.
OUR PRICES ARE THE LOWEST.

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PRICE'S
GLYCERINE

ABSOLUTELY FREE FROM ARSENIC AND ALL OTHER IMPURITIES. IS ODOURLESS AND PLEASANT TO THE PALATE.

GUARANTEED TO CONTAIN ARSENIC.

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FLORAL EXTRACTS, CONCRETE ESSENTIAL OILS, POMADES, AND DISTILLED WATERS,

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BY SPECIAL SYNTHETIC PROCESSES.

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VIOLET MEDALLIONS.

The Success of the Season.

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R. ADDIS & SON.

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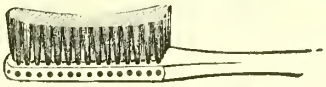
"EVERFAST" TOOTH BRUSH

PATENT  No. 6,645.

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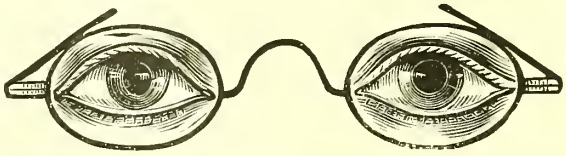

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"VIKO" as a preventive against Moth is unrivalled. It has no equal. If sprinkled amongst Furs and Clothes instantly destroys any existing Insect Life, and ensures perfect freedom from a return of the pest.

Its effect upon Insect Life is simply marvellous.

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Sold in 3d., 6d., & 1s. Tins.

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TO PREVENT DISAPPOINTMENT, ORDER EARLY.

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'THE FLY CEMETERY'

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The Original and by far the Best Sticky Fly Paper in the Market.

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Carefully rolled up so that the Composition cannot possibly get outside.

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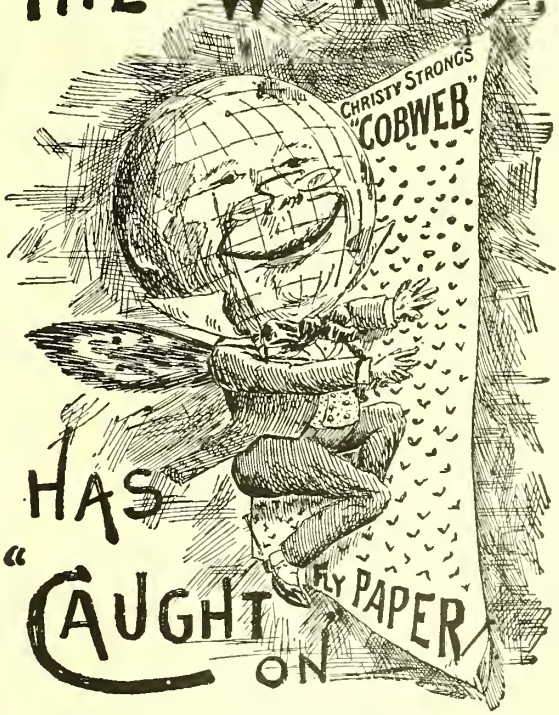

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Samples free, CHRISTY STRONG, READING.

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SOLE AGENT.

Telephone Number, Bank 852. Telegraphic Address—CHEMICUS LONDON.

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Fennings, Alfred	*Outside Cover*
Fentiman & Co.	55
Ferris & Co.	41
Fink, F., & Co.	54
Fletcher, Fletcher & Co.	*Text* 728
Ford, Shapland & Co.	8
Frankenstein, S. M., & Co.	17
Fry, J. S., & Sons	26
Geraut, E., & Co.	58
Goodall, Backhouse & Co.	44
Granville	46
Greeff, R. W., & Co.	43
Green, E.	54
Grimble & Co.	*Text* 728
Grossmith, Son & Co.	10
Guy's Tonic Co.	45
Haresceugh, B. B., & Co.	50
Harvey, S.	18
Hawksley, T.	48
Hay, Wm. (Lim.)	55
Hayward-Tyler & Co.	60
Hearn, Wright & Co.	46
Hebden, W. C.	51
Herbuline Co.	55
Hewlett, C. J., & Son	41
Hickisson, J.	35
Holloway, Prof.	42
Hora & Co.	*Text* 728
Huggins' Soap Works (Lim.)	14
Hughes, E. G.	54
Idris & Co. (Lim.)	56
Iron and Steel Plant Co. (Lim.)	50
Isaacs, I., & Co.	46
Jeancard, Gazin & Doumin	13
Jones & Co.	50
Josephs, C., & Co.	55
Josephs, Philip	*Col. Supp.*
Judd & Manners	*Col. Supp.*
Kemp & Sons	51
Kent, G. B., & Sons	40
Kinross & Black	52
Kirkpatrick, Barr & Guthrie	41
Kühn, B.	43
Lambert, A., & Co.	49
Levermore, A., & Co.	54
Liebig Co.	23
Liquor Carnis Co.	35
Liverpool School	6
Lloyd, T. H., & Co.	38
Lofthouse & Saltmer	39
Lorenz, H.	54
Luneberger Wachsbleiche	45
Lynch & Co. (Lim.)	5
Manson, R.	48
Marshalls (Lim.)	18
Maw, S., Son & Thompson	15
Mawson Filter Co.	30
Maxwell, Bayes & Co.	7
May & Baker (Lim.)	*Cover*
May, Roberts & Co.	*Cover*
Melin, C.	48
Mellin's Food	*Text* 728
Metropolitan College	6
Millar, A., & Co.	58
Moise & Marshall (Lim.)	16
Morrison, R., & Co.	39
Mumford, G. S.	*Text* 728
Ness & Co.	54
Oakey & Sons (Lim.)	52
Oppenheimer, Son & Co. (Lim.)	31
Orridge & Co.	*Col. Supp.*
Peake, Allen & Co.	40
Peterson, M., & Co.	42
Pindar, J. W., & Co.	54
Pinfold, A., & Co.	54
Poths, H., & Co.	46
Price's Patent Candle Co. (Lim.)	16
Raphael, J., & Co.	7
Raynaud, Claude, & Co.	14
Reitmeyer, R., & Co.	4
Ringrose & Cobb	54
Robinson, B.	28
Rookledge, F. E.	52
Rosbach Co. (Lim.)	25
Ross, W. A., & Sons (Lim.)	29
Royal Dispensary, Edinburgh	6
Sallyco Water Co.	60
Sandell Works Co. (Lim.)	9
Sanitas, The, Co. (Lim.)	*Text* 728
Savory & Moore	26
Saxlehner, Andreas	59
Scott's, Dr., Pills	32
Scottish Acid and Alkali Co.	42
Seltzogene Charges Co., The	25
Sheffield College of Pharmacy	6
Shirley Brothers	45
Silverlock, H.	8
Singleton & Cole (Lim.)	58
Smith, J. H.	19
Smith, S., & Co.	24
Snowdon, Sons & Co.	32
Southall Bros. & Barclay	*Back Cover*
Southwell, C., & Co.	26
Squire & Sons	34
Stevens, P. A.	54
Stevenson & Howell	3
Strong, C.	19
Sutton, F., & Co.	54
Symons, J., & Co. (Lim.)	28
Thiellay, E. H.	55
Thornton-Pickard Co.	54
Tomlinson, Thomas, & Sons	*Col. Supp.*
Tower Tea (Lim.)	26
Truefitt, H. P. (Lim.)	11
Tunbridge & Wright	19
Typke & King	43
Tyrer, P.	30
Tyrer, Thomas, & Co.	43
United British Castor Oil Co. (Lim.)	42
Vaccine Association	48
Van Houten	26
Vi-Cocoa (Lim.)	27
Wand, S.	54
Warrick Bros.	*Text* 728
Washington Chemical Co.	53
West, T.	18
Westminster College	6
Whitbread & Co. (Lim.)	20
White, S. B.	25
Whittaker & Co.	7
Wilcox & Co. (Lim.)	25
Woodruff, T.	48
Youldon, E.	46

CLASSIFIED LIST OF ALL ADVERTISERS

Whose Announcements appear in "THE CHEMIST AND DRUGGIST." Those whose Names do not appear in the preceding Index are published in one of the other issues of this month.

ACIDS
Boulton, J., & Co., Lim.

ADVERTISING SPECIALITIES
Corsan, J. R. | Harris, J.
Lindner, M.

AERTD & MINRLS
Apollinaris Co.
Barnett & Foster
Bratby & Hinchliffe, Lim.
Burrow, W. & J. (Malvern)
Chemists' Asrated Waters Association, Lim.
Ellis & Son (Ruthin)
Hertz & Collingwood
Hunyadi János
Idris & Co., Ld.
Ingram & Royle, Lim.
Kinmond & Co.
Macfarlan, J. F., & Co.
Mills & Co. (Bourne)
Ross, W. A., & Sons, Lim.
Sallyoo Water Co.
Seltzogene Patent Charges Co.

DITTO PLANT
(See SYPHONS and ESSENCES)
Barnett & Foster
Bratby & Hinchliffe, Lim.
Tyler, Hayward, & Co.
Volcanic Aeration Co.

AGNCIES ABROAD
Australian Drug Co.
Beynon & Co. | Boissy
Kempthorne, Prosser & Co.
Lennon, G. B., & Co. [(N.Z.)
Peake, Allen & Co.
Taylor & Colledge

ALKALOIDS
Howards & Sons (Cinchona)
Macfarlan, J. F., & Co.
Smith, T. & H., & Co.

AMMONIA
May & Baker, Lim.
White, A., & Sons
Woolley, Sons & Co.

ANALYSIS
Sutton, F., & Co.

APPARATUS
Bennett, Sons & Shears
Berend, O., & Co.
Woolley, J., Sons & Co.

ASTHMA CURE
Potter & Clarke

BAKING POWDER
Goodall, Backhouse & Co.

BATH & FLESH GLOVES
Maw, S., Son & Thompson
Solport Bros.
Wood, Vincent

BATH SALTS
Tidman & Son, Lim. (Sea Salt)

BEESWAX
Bingdlear & Co.
Evans, Sons & Co.
Kemp & Son
Leonhard, T.
Luneburger Wachsbleiche

BICARB. SODA
Brunner, Mond & Co., Lim.
Howards & Sons
May & Baker, Lim.

BIPALATINOIDS
Oppenheimer, Son & Co., Lim.

BISMUTH PREP.
Heaton, Squire & Francis
Hewlett & Sons
Howards & Sons
May & Baker, Lim.
Symes & Co. | Tyrer, T., & Co.
White, Alfred, & Sons

BOOKS
Hudson & Son
Lewis, H. K.
Martindale's Extra Pharm.
Sampson Low, Marston & Co., [Lim.
Squire's "Companion"
Whittaker & Co.

BORAX
Howards & Sons

BRUSHES
Addis & Son (Tooth)
Evans, Sons & Co.
Hovenden & Sons
Kent, G. B., & Sons

BOTTLES
Ayrton & Saunders
Barnett & Foster
Barrett, R. H.
Bratby & Hinchliffe, Lim.
Breffits, Lim.
Gilbertson, H., & Sons
Hearn, Wright & Co.
Isaacs & Co.
Kilner Bros.
Lynch & Co., Lim. (Salts)
Maw, S., Son & Thompson
Poths, H., & Co.
Stipendum Stopper Co., Lim.
Toogood, W. | Youldon, E
Volcanic Aeration Co.
York Glass Co., Lim.

BOXES
Austin & Co. (Cardboard)
Ayrton & Saunders
Evans, Sons & Co.
Kent, G. B., & Son
Kilner Bros.
Kinross & Black
Patent Stopper, Box, and Stamping Co., Lim. (Tin)
Robinson & Sons
Tinplate Decorating Co.

BUNSEN BURNRS
Berend & Co.

BUTTER COLR, &c.
Baker, J. W.
Boulton, J., & Co., Lim.
Müller & Co.
Tomlinson & Hayward

CACHETS
Christy, T., & Co.
Cooper & Co.
Sangers, J., & Sons

CACHOUS
Bleasdale & Co.
Jackson, T.
Lloyd, T. H., & Co.
Raimes & Co. | Warrick Bros.

CAMPHOR
Howards & Sons
May & Baker, Lim.

CAPSULES
Davies, Gibbins & Co.
Droege, Wm., & Co.
Duncan, Flockhart & Co.
Evans, Lescher & Webb
Hooper, B., & Co.
Lloyd, T. Howard, & Co.
Lofthouse & Saltmer
Warrick Bros.

CARBOLIC ACID
Stevenson, H. E., & Co.

CRBNIC ACID GAS
Carbonic Acid Gas Co.

CSCRA SAGRADA
Anderson & Co.
Duncan, Flockhart & Co.
Evans, Lescher & Webb
Ferris & Co.
Harker, Stagg & Morgan
Moss, J., & Co.
Parke, Davis & Co.

CHEMICALS
Boehm, Fredk.
Boehringer, C. F., & Sohne
Boulton, J., & Co., Lim.
Brunner, Mond & Co., Lim.
Davy, Hill & Son, Yates & Hicks
Evans, Lescher & Webb
Evans, Sons & Co.
Farbenfabriken (Bayer & Co.)
Goodall, Backhouse & Co.
Graf, F.
Howards & Sons (Pharm.)
Kirkpatrick, Barr & Guthrie
Lofthouse & Saltmer
Macfarlan, J. F., & Co.
May & Baker, Lim.
Moss & Co.
Oppenheimer, Son & Co.
Poppelreuter, W.
Sanitas Co., Lim.
Scottish Acid & Alkali Co., Ld.
Smith, T. & H., & Co.
Stevenson, H. E., & Co.
Tyrer, T., & Co.
Washington Chemical Co.
White, A., & Sons
Zimmermann A. & M.

CASTOR OIL
United British Castor Oil Co., Lim.

CERESINE WAX
Boehm, Fredk.

CHALK, PRECIP.
Levermore, Aug., & Co.

CHECK TILLS
O'Brien, T.
Stokes, G. R., & Co., Lim.

CHEST PROTCTRS
Liverpool Patent Lint Co.
Lynch & Co., Lim.
Maw, S., Son & Thompson
Newbery, F., & Sons
Schutze & Co.
Solport Bros.
Wood, Vincent

CHLOR. OF LIME
Government Sanitary Co.
Hebden, W. C.
National Chemical Co.
Steele, J. C., & Co.

CHLORODYNE
Davenport (Browne's)

CHLOROFORM
Duncan, Flockhart
Macfarlan, J. F., & Co.
Smith, T. & H., & Co.

CINCHONA BARK
Graf, F.

COCA WINE
Burrough, J.
Evans, Lescher & Webb
French Hygienic Society
Harker, Stagg & Morgan
Holloway, E. A.
Kemp & Son
Lorimer & Co.
Stephen Smith & Co. (Hall's
White, S. B.
Wilcox & Co.

COCAINE-HYDRO.
Howards & Sons

COCOA & CHOCOLT
Cadbury Bros.
Caffyn's Malto-Carnis
Fry & Sons
Van Houten's
Vi-Cocoa (Dr. Tibbles)

COD-LIVER OIL
Allen & Hanbnrys
Burronghs, Wellcome & Co.
Cnthbert, R.
Davies, Gibbins & Co.
Evans, Lescher & Webb
Evans, Sons & Co.
Harker, Stagg & Morgan
Hill, A. S., & Son
Kemp & Son
Lofthonse & Saltmer
Lorimer & Co.
Möller, P. | Moss, J., & Co
Morrison, R., & Co.
Oppenheimer, Son & Co., Lim
Smith, T. & H., & Co.
Spratt's Patent (Dog Cakes)
Scott's Emulsion
Sonthall, Bros. & Barclay
Stevenson, H. E., & Co.
Wrlght, Layman & Umney

COMP. MEDICINS
Allen & Hanbnrys
Blyton, Astley & Co.
Burronghs, Wellcome & Co.
Davies, Gibbins & Co.
Hooper, B., & Co. | Leo & Co.
Lloyd, T. Howard, & Co.
Parke, Davis & Co.

CONCENT. LIQRS
Baiss Bros., & Co.
Davies, Gibbins & Co.
Fletcher, Fletcher & Co.
Lloyd, T. Howard, & Co.
Oppenheimer, Son & Co.

CONFECTIONERY
Blyton, Astley & Co.
Gibson & Sons
Guest, T., & Co. | Hillaby, J.

CORKS
Ringrose & Cobb

CORN CURES
Beetham & Son
Gardner, C. | Potter & Clarke

COTTON WOOL
Robinson & Sons (Absorbent)

CRSHD LINSEED
Evans, Gadd & Co.
Mumford, G. S.

CYDER
Symons, J., & Co., Lim.

DENTIFRICES, &c.
Beecham, T.
Bronnley, H., & Co.
Hovenden & Sons
Jewsbury & Brown
Stevens, P. A.
Sntton, O., & Co. | Wllson, A.
Woods, W. (Areca Nut)
Wright, Chas., & Co., Lim.

DENTISTRY
Browning, A. J.
Fentiman, A. G.
Fentiman & Co.

"DIMATOS"
Sonthall Bros. & Barclay

DISINFECTANTS
Beedzler & Co.
Calvert, F. C., & Co.
Dnssek Bros.
Fletcher Bros. & Co.
Government Sanitary Co.
Granville, A., & Co.
Hebden, W. C. | "Izal"
Jeyes'SanitaryComponnds Co.
Kay Bros., Lim.
Kthn,B.(Chinosol.Kresochine)
Mackey, Mackey & Co.
May & Baker, Lim.
National Chemical Co.
Ness & Co.
"Nestor" Sanitary Fluid Co.
Read, Holiday & Co.
Sanitas Co., Lim.
Steel, J. C., & Co.
Tnson's Disinfectants Co., Ld.
Tyrer, T., & Co.

DOG MEDICINES
Lloyd, T. Howard
Spratt's Patent, Lim.

DRUGGISTS' SUN.
Ayrton & Saunders
Barclay & Sons, Lim.
Bleasdale & Co., Lim.
Dalley & Wilkinson
Cartwright, A. S.
Evans, Lescher & Webb
Evans, Sons & Co. (Savars)
Fordham, W. B., & Sons, Lim.
Hovenden & Sons
Kahler, G., & Co.
Kay Bros., Lim.
Marshalls, Lim.
Maw, S., Son & Thompson
May, Roberts & Co.
Moise, B. F., Lim.
Newbery, F., & Sons
Potter & Sacker
Qnelch, H. C.
Sanger & Sons | Schutze & Co.
Southall Bros. & Barclay
Tidman & Son | Toogood, W.
Wood, Vincent

DRUGS
Allen, S., & Sons (Grinders)
Beynon & Co.
Bleasdale & Co., Lim.
Davies, Gibbins & Co.
Dieterich, Eugen
Kahler, G., & Co.
Kuhn, B.
Lofthouse & Saltmer
Oppenheimer, Son & Co.
Phillips & Co. [(Grinders)
Poppelreuter, W.
Stevenson, H. E., & Co.

DYES
Ayrton & Saunders
Maypole Soap Co., Lim.

EAU DE COLOGNE
Farina, J. M. | Muhlens, F.
Van Oppen & Co.

ECZEMA
Cullwiek's Specialities

EMBROCATIONS
Bow's Liniment
Day & Sons
Elliman, Sons & Co.
Harvey & Co.
Tnson's Disinfectants Co., Ld.

ENEMAS
British-American Ball Nozzle
Evans, Sons & Co. [Co.
Lynch & Co., Lim.
Sanger & Son | Wood, Vincent

ENGRAVERS
Corsan, J. R.

ESSENCES
Bonlton, J., & Co., Lim.
Bovril, Lim. (Beef)
Bratby & Hinchliffe, Lim.
Bush, W. J., & Co.
Delbanco & Co.
Fletcher, Fletcher & Co.
Goodall, Backhouse & Co.
May & Baker, Lim.
Newball & Mason
Stevenson & Howell
To d, A. M.
Ty er, P. (Anchovies)
Woolley, Sons & Co.

ESSENTIAL OILS
Allen, S., & Sons
Blackwell, Hayes & Spllsbnry
Boehm, Fredk.
Bush, W. J., & Co.
Delbanco & Co.
Evans, Sons & Co.
Feustell, Friedrich
Frankenstein, S. M., & Co.
Jakson, J., & Co.
Jeancard, Gazan & Donmin
Kahler, G., & Co.
Lewig, Mark, Lim.
Lofthouse & Saltmer
May & Baker, Lim.
Poppelreuter, W.
Ransom, Wm., & Sons
Raynaud, Claude, & Co.
Sanitas Co., Lim.
Stevenson, H. E., & Co.
Stevenson & Howell
Todd, A. M.
Treatt, R. C. | Warrick Bros.
Wright, Layman & Umney

ETHER
Duncan, Flockhart & Co.
Howards & Sons
Macfarian, J. F., & Co.
May & Baker, Lim.
Robbins, J., & Co.
Tyrer, T., & Co.
White, A., & Sons
Woolley, Sons & Co.
Wright, Layman & Umney

EUCALYPTUS OIL
Drysdale, J. W., & Co.
Sanitas Co., Lim.
Tasmanian Eucalyptns Oil Co.

EXTRCTS, FLUID
Allen & Hanburys
Allen, G., & Co.
Bleasdale & Co., Lim
Burgoyne, Burbidges & Co
Davies, Gibbins & Co
Evans, Sons & Co.
Fletcher, Fletcher & Co.
Hearon, Squire & Francis
Hooper, B., & Co.
Lloyd, T. Howard, & Co.
Moss & Co.
Parke, Davis & Co.
Potter & Clarke
Ransom, W., & Son
Wright, Layman & Umney

EXTRACT MEAT
Armour & Co. | Brand & Co.
Liebig Co. | Liquor Carnis Co.

EXTRACTS, SOLID
Allen, G., & Co.
Ransom, W., & Son

FEEDG BOTTLES
Burroughs, Wellcome & Co (Thermo Safe)
Evans, Sons & Co.
Gilbertson, H., & Sons
Hearn, Wright & Co.
Hovenden & Sons
Kilner Bros.
Lynch & Co., Lim.
Marriott, E., & Co.
Maw, S., Son & Thompson
May, Roberts & Co.
Shiriev Bros. | Youldon, E.

FILTERS
Berkfield Filter Co., Lim.
Mawson Filter Co.

FLY CATCHERS
Bleasdale, Lim.
Buchan, D. D.
Ford, Shapland & Co.
Marshalls, Lim.
Maw, S., Son & Thompson
Strong, Christy
Tunbridge & Wright

FOOD (Infants'& Invalids')
Allen & Hanburys
Beanes & Co.
Benger's Food
Brand & Co.
Frame Food Co., Lim.
Goodall, Backhouse & Co.
Hawksley, T. (Sterliser)
Horlick & Co.
Kydde & Co.
Lazenby & Son, Lim.
Liquor Carnis Co.
Liebig Co. | Lorimer & Co.
Mellin's Food | Nestlé, H
Savory & Moore
Tyrer, P.
Vi-Cocoa (Dr. Tibbles)

FUNNELS
Von Poncet Glass Works

GINGER ALE
Bratby & Hinchliffe, Lim.
Chemists' Aerated & Mineral Water Association, Lim.
Ellis & Son | Hay, W., Lim.
Mills, R. M., & Co.

GELATINES
Boehm, F.

GLYCERINE
Blyton, Astley & Co. (Pastilles
Boehm, F. | Fink & Co.
Price's Candle Co., Lim.

GRANULAR PREP.
Bishop, A., & Sons
Boulton, J., & Co.
Davies, Gibbins & Co.
Evans, Gadd & Co.
Evans, Sons & Co.
Hearon, Squire & Francis
Lloyd, T. Howard & Co.
Lofthouse & Saltmer
Tyrer, T., & Co.
Wright, Layman & Umney

GUM
Fink & Co. (Arabic, &c.)
Graf, F.

HAIR PREP.
Alexandre's Shadeine
Chesebrough Co.
Depilene Co.
Edwards & Co.
Thiellay, E. H.
Truefitt, H. P., Lim.

HERB BEER EXTS.
Newball & Mason
Potter & Clarke

HOMŒOPATHIC
Keene & Ashwell
Leath & Ross
Watson & Wates

HONEY
White, G., & Sons

HYPOPHOSPHTES
Duncan, Flockhart & Co.
Fellows
Fletcher, Fletcher & Co.
Tyrer, T., & Co.

INHALERS
Burroughs, Wellcome & Co.
Krohne & Sesemann
Lynch & Co., Lim.
Sanitas Co., Lim.

INSECTICIDES
Barclay & Sons, Lim.
Bleasdale, Lim. | Jackson, T
Rndkin's Moth Bricks
Sanitas Co., Lim.
Tunbridge & Wright

JELLOIDS
Warrick Bros.

KETCHUP
Tyrer, P.

LARD
Ewen, J., & Sons

LAVENDR WATR
Jakson, J., & Co.

LEECHES
Fitch & Nottingham

LINT
Burgoyne, Burbidgee & Co.
Christy, T., & Co.
Liverpool Lint Co.
Maw, S., Son & Thompson
Newsome, C.
Robinson & Sons

LIQUORS
Blackwell, Hayes & Spllsbury
Davies, Gibbins & Co.
Fletcher, Fletcher & Co.
Lloyd, T. Howard, & Co.
Moss, John, & Co.
Oppenheimer, Son & Co., Lim
Stevenson, H. E., & Co.

LIQUORICE
Evans, Sons & Co. (Savarini)
Frankenstein, S. M., & Co.
Hillaby, J.
Lorimer & Co.
"Solazzi"

LOZENGES
Allen & Hanbnrys
Davies, Gibbins & Co.
Gibson, R., & Sons (Manfrs.)
Guest, T., & Co., Lim.
Hill & Son | Lorimer & Co.
Raimes & Co.
"Solazzi" | Warrick Bros.

LUNGPRESERVRS
Zimmer & Co.

MACHINERY
Bennett, Sons & Shears, Lim.
Gardner, W., & Sons
Melin, C. | Pindar, J. W.
Volcanic Aeration Co.
Werner, Pfleiderer & Perkins, Lim.

MAGNESIA
Bleasdale, W., & Co.
Davies, Gibbins & Co.
Evans, Gadd & Co.
Evans, Sons & Co.
Henry, T. & W. (Calcined)
Lloyd, T. Howard, & Co.
Washington Chemical Co.

MALT EXTRCT, &c
Allen & Hanburys
Anderson & Co.
Blackwell, Hayes & Spllsbury
Burroughs, Wellcome & Co. (Kepler's)
Davies, Gibbins & Co.
Distillers' Co., Lim.
Evans, Gadd & Co.
English Diastasic Malt Extract Co., Lim.
Hearon, Squire & Francis
Lorimer & Co. | Moss, J., & Co.
Oppenheimer, Son & Co., Lim
Parke, Davis & Co.
Raimes & Co.
Raimes, Clark & Co.
Robinson & Co.
Standard Malt Ext. Co., Lim.

MANICURE
Hovenden & Sons

MARKING INKS
Bond (Daughter of the late John (Ink and Pencils)

MEDICINE CHSTS
Burroughs, Wellcome & Co.
Day, Son & Hewitt(Veterinary)
Day & Sons (Veterinary)

MENTHOL
Ayrton & Saunders
Evans, Lescher & Webb
Maw, S., Son & Thompson
Shirley Bros. | Tyrer, P.

MERCURIALS
Howards & Sons
May & Baker, Lim.
Tyrer, T., & Co.

METH. SPIRTS, &c.
Boord & Son | Burrough, J.
Jones & Co. | Phllllips, G., & Co.
Smith, S., & Co.
Warren, A. & J.

METHYLENE
Robbins, J., & Co.

MICROSCOPES
Darton, F., & Co.
Hicks, J. J.

MILK
Hawkesley, T. (Sterilize
Horlick & Co.
Nestlé, H. (Condensed)

MORPHIA
Beynon & Co.
Macfarian, J. F., & Co.
Smith, T. & H., & Co.

OILS, &c.
Anglo American Drng Co.
Calvert Bros. & Co.
Carless, Capel & Leonard
Hooper, B., & Co.(SandalWood)

OINTMENT BASES, &c.
Burronghs, Wellcome & Co. (Lanoline)
Chesebrough Co. (Vaseline)
Davies, Gibbins & Co.
Lloyd, T. Howard, & Co.
Stevenson, H. E., & Co.

OPTICIANS
Botwright & Grey
Darton, F., & Co.
Raphael, J., & Co.

OXIDE OF ZINC
Hnbbuck, T., & Son, Lim.
Stevenson, H. E., & Co.

PALATINOIDS
Oppenheimer, Son & Co., Lim.

PASTILLES
Jackson, T.

PAT. MEDCNS, &c.
Anglo-American Drng Co., Ld.
Antikamnia Chemical Co.
Atkins' Lung Healer
Barclay & Sons, Lim.
Beecham, T. (Pills)
Bow's, Dr., Liniment
Clarke's Blood Mixtnre
"Daisy" Headache Powdere
Edwards & Son
Evans, Lescher & Webb
Evans, Sons & Co.
Fassett & Johnson
Fenning (Powders)
Goodall, Backhouse & Co.
Guy's Tonic
Holloway (Pills and Olnt.)
Hovenden & Sons
Lalor (Phosphodyne, &c.)
May, Roberts & Co.
Newbery, F., & Sons
Richards, J. M.
Roberts & Co.
Wilson, A. (Bunter's Nervine

PENS
Jewel Pen Co.

PEPSIN, &c.
Armour & Co.
Burroughs, Wellcome & Co.
Cerebos Limited (Pepsalia)
Kühn, B. (Papain Finkler)
Newbery, F., & Sons (Ingluvin)
Oppenheimer, Son & Co.
Parke, Davis & Co.
Stevenson, H. E., & Co.

PERFUMERY, FANCY SOAPS
Barclay & Sons, Lim.
Bleasdale & Co.
Biondeau & Cie. | Boehm, F.
Brager, L.
Bristow, T. F., & Co.
Burgoyne, Burbidges & Co.
Burroughs, Wellcome & Co.
Bush, W. & J., & Co.
Carmichael, M. W.
Chesebrough Co.
Cook, E., & Co.
Corbyn, Stacey & Co.
Crown Perfumery Co.
Evans, Gadd & Co.
Evans, Sons & Co.
Ewen, J., & Sons | Farina, J. M.
Frankenstein, S. M., & Co.
Grossmith, Son & Co.
Guy's Tonic
Hovenden & Sons
Lanoline
Lynch & Co., Lim.
Moise, B. F., Lim.
Mulhens, F.
Newbery, F., & Sons (Berdoes)
Pears, A. & F., Lim.
Price's Patent Candle Co.
Sanitas Co., Lim.
Schutze, F., & Co.
Sharp Bros. Soap & Perfumery Co., Lim.
Sinclair, Jas., & Son
Tidman & Son | Treatt, R. C.
Trufitt, H. P., Lim.
Warrick Bros.
West, T. (Okell's Mona)
Woolley, Sons & Co. (Powder)
Wright, Layman & Umney

PEPPERMINT OIL
Bush, W. J., & Co.
Jakson, J., & Co.
Ransom, W., & Son
Stevenson & Howell
Todd, A. M.

PEROX. OF HYDR
May & Baker, Lim.
Robbins & Co.
Sanitas Co., Lim.
Tyrer, T., & o.

PETROLEMJELLY
Allen & Hanburys
Christy, T., & Co.
Dee Oil Co., Lim.
Snowdon, Sons, & Co. (Jelly)

PHARM. PREPS.
Allen & Hanburys
Armour & Co. | Baiss Bros.
Barron, Harveys & Co.
Boehm, Fredk.
Boehringer, C. F., & Sohne
Boulton, J., & Co., Lim.
Burgoyne, Burbidges & Co.
Burroughs, Wellcome & Co.
Davies, Gibbins & Co.
Dieterich, Eugen
Duncan, Flockhart & Co.
Evans, Gadd & Co.
Evans, Lescher & Webb
Evans, Sons & Co.
Ferris & Co.
Fletcher, Fletcher & Co.
Hearon, Squire & Francis
Hewlett & Son
Hill, A. S., & Sons
Howards & Sons
Kühn, B.
Lofthouse & Saltmer
Macfarian, J. F., & Co.
Mackey, Mackey & Co.
May & Baker, Lim.
Moss, J., & Co.
Oppenheimer, Son & Co., Lim.
Parke, Davis & Co.
Potter & Clarke
Richards, J. M.
Roberts & Co.
Smith, T. & H., & Co.
Smith, W. F.
Squire & Sons
Stevenson, H. E., & Co.
Symes & Co.
Tyrer T., & Co.
White, Alfred, & Sons
Willows, Francis & Butler
Woolley, Sons & Co.
Wyleys Lim.
Zimmermann, A. & M.

PHOTOGRAPHIC, X RAY, &c.
Barclay & Sons, Lim.
Boehm, Fredk.
Botwright & Grey
Burroughs, Wellcome & Co.
Cox, H. W.
Darton, F., & Co.
Evans, Sons & Co.
Howards & Sons (Chemicals
Lockyer, J. E.
Maxwell, Bayes & Co.
Raphael, J., & Co.
Reynolds & Branson
Sandell Works Co., Lim.
Thornton-Pickard Co.
Tyrer, T., & Co.
White, Alfred, & Sons
Woolley, J., Sons & Co.
Zimmermann, A. & M.

PILL MACHINES
Bennett, Sons & Shears
Pindar, J. W.
Toogood, W. (Coater)

PILLS, Coated, &c.
Allen & Hanburys
Anderston Apothecaries'
Beecham, Thomas
Bleasdale & Co., Lim.
Box, W. H.
Davies, Gibbins & Co.
Duncan, Flockhart & Co.
Evans, Gadd & Co.
Hearon, Squire & Francis
Hill, A. S., & Son | Holloway's
Lloyd, T. Howard, & Co.
McKesson & Robbins
Parke, Davis & Co.
Scott's, Dr.
Wand, S. (Pearl Coated)
Warner, W. R., & Co. (Coated)
Wyleys, Lim.

PLASTERS
Allcock's
De St. Daimas, A.
Evans, Sons & Co.
Seabury & Johnson
Solport Bros. (Court)

POLISHING
Bradley & Bourdas (Albatum)
Diamond Emery Co.
Fordham, W. B., & Sons, Lim.

PORCELAIN GDS
Toogood (E.c. Pots, regist.)

POULTRY FOOD
Spratt's Patent, Lim.

PRINTING
Bowers Bros. (see also Inset
Corsan, J. R. (Glass)
Ford, Shapland & Co.
Harrison & Waide
Silverlock, H.
Townsend, J.

QUININE SALTS
Boehringer, C. F., & Sohne
Howards & Sons
Imperial Quinine Co.
Smith, S., & Co. (Wine)
Zimmermann A. & M.

RENNET
Duncan, Flockhart & Co.
Lorimer & Co.
Müller & Co.
Tomlinson & Hayward

RUBBER GOODS
Powell & Barstow

SACCHARINE
Reitmeyer & Co.

SALICIN
Macfarlan & Co.
Smith, T. & H., & Co.

SALICYLIC ACID
Burgoyne, Burbidges & Co.
Zimmermann, A. & M.

SARSAPARILLA
Potter & Clarke

SAUCES, PICKLES
Goodall, Backhouse & Co.
Maw, S., Son & Thompson
Tyrer, P.

SCHOOLS, &c.
Central (Edinburgh)
City School (Skerry's)
Glasgow School of Pharmacy
Liverpool School
Manchester Col. of Pharmacy
Metropolitan Col. of Pharmacy
North of England School
Northern College of Pharmacy
Royal Dispensary (Edinburgh)
Sheffield College of Pharmacy
South London School of Pharmacy, Lim.
Westminster College

SCIENTIFIC INSTRUMENTS
Darton Co. | Hicks, J. J.

SEA SALT
Tidman & Son, Lim.

SEEDS
Brook, Parker & Co.
McCausland, S.
Potter & Clarke
Spratt's Patent, Lim. (Bird)

SEIDLITZ PWDRS
Davies, Gibbins & Co.
Hora & Co. | May, Roberts & Co.

SELTZOGENES
Bratby & Hinchliffe, Lim.
May, Roberts & Co.
Volcanic Aeration Co.

SERUM
Greeff, R. W., & Co.

SHAVING
Hovenden & Sons (Euxesis)
Lloyd, A., & Co. (A. S. Lloyd's Euxesis)
Truefitt, H. P., Lim.

SHEEP DIP
Fletcher Bros & Co.
Hareseeugh & Co.
Jeyes' Sanitary Compounds Co.
Kühn, B. (Kresochine
Ness & Co.
Sanitas Co., Lim.

SHOP FITTERS
Bowling & Govier
Bygrave, J. & W.
Evans, Sons & Co.
Josephs, C., & Co.
Josephs, Philip
Mills, H.
Treble, G., & Son
Yates, W. S.

SOAP
Blondeau et Cie. (Vinolia)
Bronnley, H., & Co.
Cook, E., & Co.
Crosfield, J., & Sons, Lim.
Gibbs, D. & W. (Medicated)
Huggin's Soap Works, Lim
Jameson, W. (Arsenical)
Jeyes' Sanitary Compounds Co.
Mackenzie's, Dr. (Arsenical)
Maypole Soap Co., Lim.
Muhlens, F.
Pears, A. & F., Lim.
Sanitas Co., Lim.
Sharp Bros. Soap, &c., Co., Ld.
Sinclair, J., & Son
Tidman & Son
Wright, Layman & Umney

SPECTACLES
Botwright & Grey
Darton, F., & Co.
Raphael, J., & Co

SPONGES
Cohen, I. & M.
Cresswell Bros. & Schmits
Peterson, M., & Co.

STAMPS (RUBBER)
Hickisson, J.

STARCH
Critchley (Gloss)
Hebden, W. C.

STEEL BARRELS
Iron and Steel Plant Co., Lim.

STOPPERS
Austin & Co. (Sprinklers)
Barnett & Foster | Melin, C.
Patent Stopper, Box, and Stamping Co., Lim.
Stipendum Stopper Co., Lim.

STOVES
Clark, S., & Co., Lim

SUGAR
Macfie & Sons

SUGAR OF MILK
Boehm, Fredk.

SURGICAL
Accrington Surgical Appliance Co.
Ayrton & Saunders
Bailey, W. H., & Son
Barclay & Sons, Lim. [Co.
British-American Ball Nozzle
Burgoyne, Burbidges & Co.
Cocking, J. T.
Eschmann Bros. & Walsh
Ferris & Co.
Haywood, J. H.
Ickringill's Hygienic Cloth Syndicate, Lim.
Krohne & Sesemann
Liverpool Patent Lint Co.
Lynch & Co., Lim.
Macfarlan, J. F., & Co.
Manson, R.
Maw, S., Son & Thompson
Milne, J.
Oppenheimer, Son & Co.
Powell & Barstow
Queich, H. C.
Robinson & Sons
Sanitas Co., Lim.
Schutze, F., & Co.
Victoria Rubber Co
Wood, Vincent
Woodruff, T.

SYPHONS
Barnett & Foster
Bratby & Hinchliffe, Lim.
British Syphon M,f'g. Co.
Chemists' Aerated and Mineral Waters Association, Lim.
Geraut, E., & Co.
Idris & Co., Lim.
Kilner Bros. | Melin, C.

SYRUPS
Beckett, W., Sons & Co.
Burton, Astley & Co.
Fletcher, Fletcher & Co. (Liquors)
Stevenson & Howell
Volcanic Aeration Co.

TABLETS
Corsan, J. R. (Advertising)
Davies, Gibbins & Co.

TEA
Pearse & Meeking
Tower Tea, Lim.

THERMOMETERS
Ayrton & Saunders
Bailey, W. H., & Son
Darton, F., & Co.
Hicks, J. J.

TEETHING PADS
Cartwright, A. S.
Marriott, E., & Co.

TOBACCO & CIGRS
Singleton & Cole, Lim.

TINCTURES
Blackwell, Hayes & Spilsbury
Davies, Gibbins & Co.
Evans, Sons & Co.
Hewlett, C. J., & Son
Lloyd, T. Howard, & Co.
Moss, John, & Co.
Parke, Davis & Co.
Sinclair, Phillips & Co.
Wyleys, Lim.

TOILET
Ayrton & Saunders
Beetham & Son [(Lanoline)
Burroughs, Wellcome & Co.
Crosfield, J., & Sons, Lim.
Dee Oil Co., Lim.
Hovenden & Sons
Lynch & Co., Lim.
Maw, S., Son & Thompson
Moise, B. F., Lim. [Lim.
Peacock's Ovaline Soap Co.,
Pinnacle Soap Stand Co.
Sanitas Co., Lim. [Co., Lim.
Sharp Bros. Soap & Perfumery
Southall Bros. & Barclay
Squire & Sons
Tidman & Son, Lim.
Townsend, J. (Paper)
Truefitt, H. P., Lim.

TOOTH PASTE
Beecham, T.
Jewsbury & Brown
Lathem & Co.
Maw, S., Son & Thompson
Parke, Davis & Co.
Sutton, O., & Co.
Wilson, A. (Bunter's)
Woods, M. (Areca)

TRADE MARKS
Browne, T. B.

URETHANE
Howards & Sons

VACCINATION
Maw, S., Son & Thompson
Vaccine Association (Lymph)

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Berdoe & Co. | Brett, F. J.
Crocker, G. B., & Co.
Ferguson & Osborne
Orridge & Co.
Tomlinson, Thos., & Son

VASELINE
Chesebrough Co.

VETERINARY
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Dawes, G. F. | Day & Sons
Day, Son & Hewitt
Elliman, Sons & Co.
Harvey & Co. | Leng, A., & Co
Lloyd, T. Howard, & Co.
Rookledge, F. E.
Sanitas Co., Ld | Spratt's (Dogs)
Walker, Troke & Co.

VINEGAR
Grimble & Co.

VINOLIA Superfatt'd
Blondeau et Cie.

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Acme Chemical Co., Lim
Fletcher Bros. & Co.
Mark Smith, Ltd.
Sanitas Co., Lim.
Tomlinson & Hayward

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Allen, S., & Son | Baiss Bros.
Barron, Harveys & Co.
Bleasdale & Co., Lim.
Brook, Parker & Co. (Botanl
Burgoyne, Burbidges & Co.
Bush, W. J., & Co.
Davies, Gibbins & Co.
Davy, Hill & Son, Yates & Hi
Evans, Gadd & Co.
Evans, Sons & Co.
Evans, Leacher & Webb
Ferris & Co. | Graf, F.
Goodall, Backhouse & Co
Harker, Stagg & Morgan
Hearon, Squire & Francis
Hewlett & Son
Hill, A. S., & Son
Kemp, Wm., & Son
Lloyd, T. Howard, & Co
Lofthouse & Saltmer
Macfarlan, J. F., & Co
Potter & Clark
Raimes & Co.
Raimes, Clark & Co.
Smith, B. A., & Co.
Stevenson, H. E., & Co.
Taylor & Colledge
Willows, Francis & Butler
Woolley, Jas., Sons & Co.
Wright, Layman & Umney
Wyleys, Lim.

WINES, SPIRITS, BEER, &c.
Burgoyne, P. B., & Co.
Burroughs, J.
Coleman & Co., Lim.
French Hygienic Socy. (Cosa)
Goodall, Backhouse & Co.
Holloway, E. A.
Mead Manufacturing Co. (Vin Kafra)
Millar, A., & Co. (Orange)
Phillips, G., & Co. | Robinson, B
Smith, S., & Co. (Orange)
Stevenson, H. E., & Co.
Symons, J., & Co., Lim.
Warren, A. & J.
Whitbread & Co.
Wilcox & Co
Wright, Layman & Umney.
Wyleys, Ltd.

LIEBIG COMPANY'S EXTRACT

J. v. Liebig

Quantities of £5 worth now supplied direct, carriage paid to any town in United Kingdom.

Minimum re-selling prices fixed.

CORNEILLE DAVID & CO., Sole Agents, 4 FENCHURCH AVENUE, LONDON, E.C.

HALL'S COCA WINE

WARNING.

The "BRITISH MEDICAL JOURNAL," February 6, 1897, in an article on "Coca Wine and its Dangers," says:—

"Originally Coca Wine was made from Coca Leaves, but it is now commonly a solution of the alkaloid in a sweet and usually strongly alcoholic wine."

HALL'S COCA WINE has always been prepared from Coca Leaves only, and has no addition of Cocaine. The basis is absolutely pure wine, equal in strength to good Burgundy. It can be safely recommended to the most delicate patient without fear of evil after-effects.

This testimony is endorsed by the "BRITISH MEDICAL JOURNAL," of February 6, 1892, which speaks as follows:—

"A preparation of Coca Leaf, bearing the name of 'Hall's Coca Wine, has been submitted to us. It appears to be carefully prepared, and contains a large proportion of the alkaloid. The preparation is not unpalatable. Coca is undoubtedly *a valuable stimulant and tonic, and this preparation of it*, which is made by Stephen Smith & Co., Bow, E., *may be recommended as fulfilling these indications.*"

Protected Profit.

Advertising matter upon application to the Proprietors,

STEPHEN SMITH & CO.

BOW, LONDON.

MARIANI WINE

MINIMUM RETAIL PRICE, ½ doz. Bots. for **20/-**, or **3/6** per single Bottle.

In original cases of 6 dozen, **£10 4s. 0d.** net cash,
with 3 per cent. discount off 6 case lots.

SANTAL MIDY.

MINIMUM RETAIL PRICE, **3/6** per Bottle.
MINIMUM WHOLESALE PRICE, **33/-** per dozen or part of dozen.
In 12 dozen lots, **£18** net cash.

WILCOX & CO., 83 Mortimer Street, LONDON, W.
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NATURAL SPARKLING TABLE WATER.

SELLS READILY AND LEAVES A GOOD PROFIT.

Quarts, Pints, and Splits. Liberal Discount to Chemists. ROSBACH SPRINGS, LIM., 19 Regent St., S.W.

Only ONE in each Town.

WINE LICENCES.—We pay the licence for our agents; we give 33⅓ discount, sample doctors, bill towns, give sole agency and newspaper advertisement; one agent sold 48 doz. in eleven months; send for circular; secure agency White's Gold Medal Coca Wine. S. B. White, A.Ph.S., Leicester.

Why not YOU?

SELTZOGENE CHARGES

("MINERAL" BRAND).

A NEW DEPARTURE.

TARTARIC ACID SUPERSEDED

(See this Journal, 19/12/96, page 880).

British Materials. Inorganic. No Field for Germ Growths.
BETTER. STRONGER. CHEAPER.

THE SELTZOGENE PATENT CHARGES CO.
ST. HELENS.

REGISTERED TRADE MARK · TEA · TOWER · LIMITED · STRENGTH · LONDON · 5 Jewry Street, London, E.C.

TOWER TEA.

The Best and the Cheapest in the World at the Price.

In ¼, ½, and 1-lb. Packets only, to Retail at 1/-, 1/2, 1/4, 1/6, 1/7, 1/8, 1/10, 2/-, 2/4, 2/8 per lb. Also in Handsome 1-lb., 3-lb., and 5-lb. Decorated Tins, to Retail at 1/10, 2/-, and 2/4 per lb.

Agents appointed by

TOWER TEA, LIMITED, 5 JEWRY STREET, LONDON, E.C.

van Houten's Cocoa

The "BRITISH MEDICAL JOURNAL" says:—
"It is admirable." "Perfect in flavour." "Pure and well prepared."

CONCENTRATED

PEPTONISED COCOA AND MILK

AND

CONCENTRATED PEPTONISED MILK.

These two preparations are made with pure rich PRE-DIGESTED Country Milk, and, by mere dilution with hot water, afford a delicious restorative beverage, the assimilation of which requires no digestive effort.

SAVORY & MOORE, LONDON.

Tins, 2/6. Half-tins (samples), 1/6. Obtainable Everywhere.

OVER 200 GOLD MEDALS AND DIPLOMAS.

FRY'S

Pure Concentrated

COCOA

Try also FRY'S MALTED COCOA, a delicious combination of FRY'S PURE COCOA AND MALT EXTRACT (Allen & Hanburys').

SOLUBLE ESSENCE OF LEMON

FOR

Aerated Waters, Cordials, Syrups, &c.

Our position as Importers of large quantities of Lemons enables us to select fruit coming from districts that we have found from experience will produce the best results. We are, therefore, enabled to make a Superfine Essence of uniform character, which retains as nearly as possible the natural flavour and delicate aroma of the fresh fruit.

It is economical in use, being concentrated to the fullest extent, for use in the proportion of 1 oz. to 1 gallon of Syrup, &c.

Per lb., Duty Paid 3/-
,, in Bond ... ... 10d.

Sample and General Price List of Essences, Syrups, Cordials, Squashes, Citrate, &c., free on application.

CHAS. SOUTHWELL & CO.,

Compounders of Spirits, &c., DOCKHEAD, LONDON.

DR. TIBBLES' VI-COCOA

THE WHOLESALE PRICE.

RETAIL PRICE.	PER DOZEN.
6d. Packets (Two Dozen in a box)	5/-
9d. Tins (Two Dozen in a box)	7/6
1/6 Tins (One Dozen in a box)	15/-

DISCOUNTS.

5 per cent. Discount on Orders up to £5.
7½ per cent. Discount on Orders for £5 and upwards.
Terms—Cash within 7 days.
Carriage Paid on Orders value £2 and upwards.

N.B.—The above Discounts are from 3¾ to 6¼ per cent. better than can be obtained from any other source, whilst the merits of **DR. TIBBLES' VI-COCOA** are far greater than any other similar preparation in the world.

LIMIT OF CUTTING.

The Proprietors hereby give notice to the Trade that the limit of "cutting" prices of **DR. TIBBLES' VI-COCOA** has been fixed as under:—

6d. Packets to be sold at not less than 5½d.
9d. Tins ,, ,, not less ,, 8½d.
1/6 Tins ,, ,, not less ,, 1/4½

Full Prices to be obtained wherever possible.

FURTHERMORE,

Any Chemist, Grocer, or Stores cutting below these prices will be refused supplies direct from ourselves. And in this connection it is important to note that in £5 lots and upwards no trader in the kingdom, "Wholesale or Retail," can obtain more than the 7½ per cent. discount we offer.

Furthermore, as we pay carriage on orders value £2 and upwards, it will **not be possible to obtain the advantage of this concession, nor that of the exceptional discounts we offer, unless our ruling as to the "cutting" of price is complied with.**

Read the foregoing, send your order to

DR. TIBBLES' VI-COCOA Ltd.,

SUFFOLK HOUSE, CANNON ST., LONDON, E.C.

And obtain your fair share of the profits that are daily being made by our customers everywhere.

ROBINSON'S ORIGINAL

CONCENTRATED WATERS.

ESTABLISHED 1855.

When diluted in the proportion of one part to forty parts of water at 60° temperature, they faithfully represent the Medicated Waters of the British Pharmacopœia. They are always of uniform strength, and will keep good any length of time in any climate

Aqua Amygd. Amar. Conc. (U.S.)	4/- per lb.	Aqua Cassiæ Conc.	4/- per lb.	Aqua Menth. Virid. Conc.	4/- per lb.
" Anethi, Concent.	4/- "	" Flor. Aurant...	8/6 "	" Pimentæ "	4/- "
" Anisi "	4/- "	" " Sambuci Conc...	8/6 "	" Pulegii "	4/- "
" Camphoræ "	4/- "	" Fœniculi Conc.	4/- "	" Rosmarini "	4/- "
" Carui "	4/- "	" Menth. Pip. Conc.	4/- "	" Rosæ "	8/6 "
" Cinnam. Ver. Conc.	6/- "	" " Ang. Conc.	6/- "	" " Virgin. "	10/6 "

The above may be had in ½-lb. or 1-lb. Bottles and upwards, through most of the Wholesale Drug Houses.

Each Bottle has the Inventor's Protection Label over the cork, without which none are genuine

SUPERIOR ORANGE WINE (Vin. Aurantii, B.P.),

Samples of any of the above sent free on application from

E. ROBINSON, Distiller and Brewer of British Wines, Church Street, PENDLETON, MANCHESTER

SYMONS & CO.'S Devonshire Cyder & Wines

Specially prepared for the Home & Export Trades.

BOTTLING AGENTS AND THE TRADE SUPPLIED ON LIBERAL TERMS.

CYDER IN WOOD.

	Per Gall. s. d.
Imperial Cyder (Specially prepared)	1 9
Apple and Blossom Cyder	1 6
Champagne Cyder	1 4
Sweet Draught	1 3
Medium Draught	1 3
Superior Dry Draught	1 2
Symonia (Non-Alcoholic)	
Sydrina (Non-Alcoholic)	1 0

Casks charged and allowed for if returned within two months, in good condition, to same address as sent from, and advised by post.

Terms, Delivery, &c.

A Discount of 2½% will be allowed for Cash with Order. Accounts sent out Monthly.

Cyder, Perry, Symonia, and Sydrina are sent out in Cases containing 3-dozen Quarts, or 4-dozen Pints, and Casks of 14, 20, 30, 40, 60, and 116 Gallons.

Symonia and Sydrina in ½-pints, Cases of 6 dozen.

Sparkling Wines, 1 dozen Large, or 2 dozen Half-Bottles.

Prices include Bottles, but Cases are charged 1/6 per dozen extra, and allowed for if returned Carriage Paid, in good condition, within one month.

Carriage Paid to any Railway Station in England and Wales.

TRADE DISCOUNTS ON APPLICATION.

CYDER AND WINES IN BOTTLE.

Bottles Free, and Carriage Paid.

	Per Doz. Bottles s. d.
Imperial Cyder (Extra Dry). Gold Foil.	10 0
Apple and Blossom Cyder (Sweet or Dry). Silver Foil.	7 6
Champagne Cyder (Medium Dry). Red Label.	7 0
Symonia (Non-Alcoholic) ½-Pts.	3 0
Sydrina (Non-Alcoholic) do.	3 0
Imperial Perry	10 6

2/- extra per Two Dozen Half-Bottles.

"ROYAL EXCELSIOR" SPARKLING WINES.

Pale Dry Creaming (Champagne Style).	21 0
Devonshire Chablis	16 0
Devonshire Hock	16 0
Devonshire Moselle (English Rhine Brand).	24 0

3/- extra per Two Dozen Half-Bottles.

Symonia and Sydrina are the best Temperance Drinks of the day, and may be sold by Chemists.

Our Local Bottling Agents can often reduce prices in Bottle by importing in Wood, thus saving the extra Carriage, &c

Instructions for Storing, &c.

On receipt of the case of Cyder, unpack, and stand the bottles in an upright position in a cool cellar of from 50 to 55 degrees temperature, to settle down, and return empty cases to us; or, if wanted for immediate use, in a temperature of 60 degrees, when it will get into condition, and will come out an effervescing, delicious drink, healthful and invigorating without being heady. If a dry Cyder is required, keep twelve months or more in bottle. *Wines must be laid down.*

FRUIT MILLS, TOTNES, DEVON. ENGLAND.

Armour's BEEF JUICE

Is prepared from the finest selection of prime lean beef obtainable, and in the process every possible precaution is taken that absolute cleanliness is observed.

Obtained by cold expression it contains a large percentage of albuminoids in perfect solution, and is of high value as a nourishing food in all cases of Fever, Influenza, Gastric Irritation, &c.

The accompanying representation is a facsimile of the amber flagon used, which contains **2½ fluid ounces** and **retails at 2s.**

STOCKED BY LEADING WHOLESALE AND DRUGGIST SUNDRIES HOUSES.

ARMOUR & COMPANY (Chicago), LONDON, S.E.

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AERATED TABLE WATERS.

W. A. ROSS & SONS, LTD.
BELFAST.

BOVRIL.

What it is!

BOVRIL is Beef, the entire lean of the Best Beef procurable. Not the Forty Pounds Weight of Beef which would have to be eaten before the nourishment contained in One Pound of Bovril could be imparted to the system, but Forty Pounds of the primest parts obtained from the finest selected Cattle reared in Australia and South America, concentrated by a special process, rendering it the most perfect form of strengthening, stimulating, easily digestible nourishment in the smallest possible bulk.

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1d. Sample Bottles, dozen parcels	5/3	6/3
" " ½-gross boxes	5/9	6/9
1d. Giant " dozen parcels	6/-	8/6
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		Per gross.	Extra quality
½ Bottles, flat or round, reputed half-pints		16/-	26/
¾ " " " pints		28/-	38/
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12½-Gallon Casks (*casks free*)	each	20/	32/

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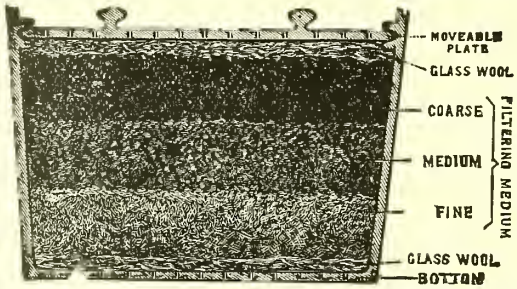

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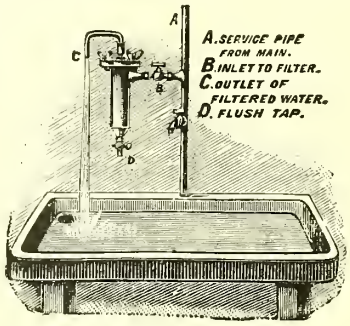
3.—They give an output of sterile filtrate from 5 to 10 times larger than any other germ-proof filter.



Filter (as sketch) to attach to service-pipe	£2 2 0
Smaller size	1 5 0
Glass Table Filters from ...	0 8 9

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Counter Filters specially adapted for Chemists doing a trade in Saline and Summer Drinks.

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A GOOD PILL and GOOD PROFIT.

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'Tabloid' Cascara Sagrada.

2 gr. Plain or sugar-coated.

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Bottles of 25 and 100. 4s. 6d. and 12s. per dozen.

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"A solution of the ferruginous pill difficulty."—
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CHESEBROUGH MANUFACTURING CO., HOLBORN VIADUCT, LONDON, E.C.

See page 103 *of "THE CHEMIST AND DRUGGIST" WINTER ISSUE.*

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"It is considerably ahead of the average text-books, and affords a valuable standard of reference to those who are anxious to keep pace with pharmaceutical advances, the allusions relating in many instances to current literature bearing the date of the present year."—*Lancet*, March 24, 1894.

"The present edition has evidently been revised with the greatest care, of which evidences are to be found on almost every page Altogether, the improvements are so great that many of those who already possess the work will find it worth while to have the new issue."—*Practitioner*, June, 1894.

"The contents extend far beyond the limits of the Pharmacopœia, as a very large number of unofficial drugs and preparations are considered with the same care and minuteness as the others."—*British Medical Journal*, June 16, 1894

London: J. & A. CHURCHILL, 7 Great Marlborough Street, W.

THE CHEMIST AND DRUGGIST

ESTABLISHED 1859.

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PHARMACEUTICAL COUNCIL COMPETITION.

READERS are reminded to send in their postcards by Monday. For list of names see page 631 last week.

AMERICAN ISSUE OF "THE CHEMIST AND DRUGGIST."

MAY 22, 1897.

THIS year's American Issue of THE CHEMIST AND DRUGGIST will be far and away the most important of any of these popular circulations, inasmuch as besides our usual distribution to selected firms throughout the United States and the West Indies, we shall this year send a copy to every chemist and druggist in the Dominion of Canada. We have thought it desirable to do this in view of the great importance of the new Canadian Tariff Bill, under which British goods are now admitted into Canada on preferential terms. This alteration will transfer several million pounds' worth of trade from the United States to Great Britain. Drug houses and makers of all kinds of druggists' goods should largely benefit by this concession, and we hope they will see fit to bring announcements of their products prominently forward in the issue referred to, inviting correspondence and offering samples and catalogues.

Communications should be sent to the publisher, 42 Cannon Street, London, E.C., without delay.

SUMMARY

A DEATH from bromidia is reported on p. 742

A NEW chemists' association has been formed at Leicester (p. 714).

DR. KOCH'S rinderpest remedy is now reported to be a failure (p. 732).

DR. COLLIS BROWNE'S chlorodyne is the last addition to the P.A.T.A. list (p. 731).

JERSEY has declined to adopt the metric system of weights and measures (p. 714).

THE Chemical Society is doubtful if there is anything in existence absolutely dry (p. 732).

PARTICULARS of a salvage sale of chemicals, &c., are given in our Trade Report (p. 743).

THE position of iodine is discussed in an article on p. 730. It is not likely to go higher—lower rather.

THE needs of the Greek wounded in the matter of surgical dressings may be judged from the notes on p. 715.

THOSE who have votes for the Infant Orphans' Asylum at Wanstead are requested to read the note on p. 720.

DR. JACOB, of Dublin, supports our action in respect to Irish Union drug-contracts, and urges the necessity for immediate reform (p. 745).

MR. GASCOYNE replies to his pharmaceutical critics showing that the 10-guinea Minor fee has not been justified in the slightest particular (p. 744).

MEETINGS at Dundee, Stoke-on-Trent, Bristol, and Inverness have approved of the new by-laws. Halifax does not like the ten-guinea fee (p. 724).

FURTHER particulars are given on p. 732 regarding the new Canadian tariff, showing that goods shipped from this country must be duly certified in order to gain the preferential treatment.

MR. GLYN-JONES, on behalf of the P.A.T.A., recommends those who have votes for the Pharmaceutical Council not to give them to Messrs. Carteighe, Hyslop, and Savory. The reasons are given on p. 745.

THE Workmen's Compensation Bill was introduced into the House of Commons on Monday. It provides a definite scale of compensation for workmen disabled or killed in the course of their employment. Particulars of it are given on p. 731.

AT the meeting of the Pharmaceutical Council on Wednesday the new by-laws were "read" a third time. Dr. Symes complained about the peculiarities of the professorial examiners. The annual report and financial statement were submitted (p. 719).

THE financial statement of the Pharmaceutical Society for 1896 shows a revenue of 9.659*l.* from examinations, being 919*l.* more than in 1895, while the expenditure was 3.492*l.*, as compared with 3.409*l.* (p. 722). The statement is commented upon on p. 728

AT the inaugural meeting of the Oxford Pharmaceutical Association, Mr. Walter Hills, as President of the Pharmaceutical Society, had something to say about the policy of that body, and what will be done when nine out of every ten chemists belong to it (p. 725).

A SHEFFIELD pharmaceutical chemist has been prosecuted under the Apothecaries Act; several more convictions have been obtained by the Pharmaceutical Society against unqualified assistant in doctors' shops in Glasgow; the sale of acetic acid for vinegar has occasioned some fines in Cardiff, though the Stipendiary there held that it was legal to sell acetic acid as distilled wood vinegar if the customer was not deceived; and the Liebig Company have got judgment for damages in Belgium against Bovril for statements in the advertisements of the latter company injuriously comparing the Liebig extract with Bovril (p. 734).

Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

Leicester Chemists at Supper.

A chemists' supper was held at the Clarendon Restaurant, Leicester, on April 30. It proved to be a very enjoyable gathering. Mr. T. Howard Lloyd occupied the chair, and, in the unavoidable absence of Mr. J. Young, Mr. S. F. Burford, F.C.S., occupied the vice-chair. The following chemists were present:—Messrs. Broof, White, Thirlby, Brice (Wigston), Cleaver, Hutton, Hodgson, Goodess, Hearnshaw, Lewis Ough, F.C.S. (John Richardson & Co.), W. H. Lloyd and O. T. Elliott (T. H. Lloyd & Co.), Clear, E. H. Butler, Furnival, Esam (Dispenser at Infirmary), also Messrs. Ellis, jun., Lounds, Hodgson, jun., Morris, Dennis, Parry, G. Ward (Howard Lloyd & Co.), Mr. Hind's manager, Mr. Woolley's assistant, and many others. A number of apologies for absence were also received. Music, songs, and recitations followed the supper. Mr. Haywood Dennis presided at the pianoforte. Songs were contributed by Messrs. W. H. Lloyd, Goodess, Hearnshaw, and Lounds. Messrs. Thirlby and Mumford delighted the company with their elocutionary efforts. During the evening the formation of a trade association was discussed and resolved upon. The following committee was formed:—Messrs. T. Howard Lloyd, Lewis Ough, F.C.S., E. H. Butler, Hearnshaw, Cleaver, Thirlby, Parry, Elliott, Goodess (hon. sec.). Votes of thanks were passed to Mr. Lloyd for presiding, and to Mr. Goodess for his untiring efforts in promoting the gathering. A picnic to which ladies may be invited is under consideration.

Soothing-powder Samples.

The inquest at Alfreton on the infant who had taken a sample soothing-powder, left at the door by a man, and bearing the label of Mr. Robinson, chemist, of Leicester, which was adjourned to have the powders tested, was resumed on May 1. Dr. Leary, Alfreton, said he had opened the body and analysed the contents of the stomach, and found no trace whatever of poison. He thought death was due to asphyxia, caused by pleurisy. The county analyst's report stated that the powders had been found free from all trace of poison, and were harmless. A verdict of death from natural causes was returned. The Coroner (Mr. Busby) remarked that in consequence of the doubts respecting the powders being left at the door, it was much more satisfactory to have had the examination. It was, however, an objectionable practice to have such things left at people's doors when they might be had at a chemist's or doctor's.

Metric Weights for Jersey.

The Jersey Chamber of Commerce, which claims to be the oldest in the United Kingdom, held a special meeting on April 30 to consider a Bill introduced in the local Legislative Chamber for the adoption in the island of the metric system of weights and measures. Jersey now has its own system of weights, and it was proposed some time ago to use the English system, but in view of the possibility of the metric system being adopted in the mother-country, it is thought to be unwise to establish any other. In the Jersey Bill the English term "pound" is retained, so as to meet the prejudice some may have to foreign terms. It was urged at the meeting that if Jersey were the only place offering English goods by metric weights, it should gain a special advantage, and some speakers proudly demanded for the island the distinction of leading the way in this reform as it had done in others; legalising marriage with a deceased wife's sister, for instance. Others, however, argued that it would be a mistake to introduce the metric system into Jersey before it came into use in England, the mother-country being practically the island's only customer for agricultural produce; and eventually a resolution to that effect was adopted, but with a rider urging that instruction should be given in the subject in all schools receiving grants from the public funds. Dr. W. Duret Aubin (Deputy of St. Helier) said there was no doubt the drug-trade of England had declined—Germany now leading the way—and he believed the old weights had something to do with this. By adopting the metric system they would avoid many accidents which now occurred. On the Continent English prescriptions were often misunderstood. The medical profession would certainly welcome the proposed change.

Chemists' Assistants' Association.

A musical and social evening was held at 9 Queen's Square, on Thursday, April 29, the President (Mr. Charles Morley) in the chair. There was a good attendance, and the programme was listened to with appreciation by the members. The following gentlemen contributed:—Messrs. W. N. Ellis (accompanist), Hill, Tasker, Robins, Latreille, and Morley Taylor.

The Policeman had no Light.

Charles Seeley, chemist's assistant, of Torquay, was summoned at Newton Abbot last week for riding a bicycle without a light, about 10.15 on the night of April 23. Seeley ran into the arms of a policeman, and Superintendent Roberts, of Torquay, proved a previous conviction against the defendant at Torquay about two and a half years ago. Police-constable Webber stopped the defendant by standing in the middle of the road and allowing the machine to run against him. He was commended by the Bench for his courageous conduct, while the bike man was fined 2*l.*, including costs.

Stealing from Chemists.

Edward Jewell, aged 14, was charged at Highgate, on Saturday, with stealing on April 28 a syphon, value 2*s.*, the property of Charles Joseph Rees, his master, a chemist, of Colney Hatch Lane. Alfred Kirk, aged 15, was charged with receiving the syphon, well knowing it to be stolen, also with obtaining 2*s.* by false and fraudulent pretences. James Stanley James, assistant to Mr. Rees, said the boy Kirk came into the shop, and, producing a syphon, said he had been sent by Mrs. Cook, a customer, to get 2*s.* for it. Being suspicious, witness told the boy he would send the money on. Subsequently the lad returned, and said "Mrs. Cook told him to get the money or to take back the syphon." Witness then handed the boy 2*s.* Further evidence was given to the effect that Jewell took the syphon from the shop and gave it to Kirk. Jewell was bound over to come up for judgment when called upon, while Kirk was fined 40*s.*

At the Nottingham Police Court, on April 29, John Thomas Carrington, errand-boy, was charged with stealing 2*s.* from Mr. John G. Wildgoose, chemist, 148 Alfreton Road, Nottingham. The prisoner had been in the prosecutor's employ and was sent on an errand with the money, which he spent in swing-boats and roundabouts. The Bench sentenced him to receive twelve strokes with the birch rod.

Inquest on a Druggists' Traveller.

On Tuesday afternoon Mr. A. Braxton Hicks held an inquiry at Mortlake relative to the death of Thomas George Hards, aged 44 years, a commercial traveller in the service of Messrs. Newbery, wholesale chemists, and lately residing at 39 White Hart Lane, Barnes, who died on May 3, after taking some chlorodyne. The widow stated that the deceased had suffered for years from a bad cough, to relieve which he was in the habit of taking chlorodyne on sugar. He had no trouble, pecuniary or otherwise. On Sunday he was ill all day, and kept rubbing his sides, but in the evening he went out for an hour, returning at 10 o'clock. Having had supper he sat down to read, and witness went to bed. At 1 A.M. she went downstairs to see why he had not come up, and found him leaning on the table with a medicine-glass containing chlorodyne by his side. A bottle of chlorodyne stood on the shelf. Her husband said he had taken a drop to relieve his cough. He then went to bed, and two hours later witness found him dead. Dr. George H. Rodman, who made a *post-mortem* examination, said he found no odour or trace of chlorodyne, death being due to

aortic disease of the heart. The finding of the chlorodyne bottle and glass was merely a coincidence. As a matter of fact, the whole of the contents of a full bottle of that size would not have been fatal to a person in the habit of taking it. A verdict in accordance with the medical evidence was recorded.

Store Prices.

The Army and Navy Co-operative Society (Limited) announce the following reductions in their May circular:—Camphor to 1*s.* 10*d.* per lb., and 1-oz. blocks to 1½*d.* per oz; finest Norwegian cod-liver oil to 7*s.* 6*d.* per gallon; refined Newfoundland for veterinary use to 5*s.* 6*d.* per gallon; Horlick's malted milk to 1*s.* 4*d.*, 2*s.* 1*d.*, and 9*s.*; Howards' quinine (⅛ oz.) to 3*d.*, (½ oz.) 8*d.*, (1 oz.) 1*s.* 3*d.*; soluble saccharine to 2*s.* 6*d.* per oz.; spermaceti to 2*s.* per lb.; spirit of wine (½-pint bottle) to 1*s.* 8*d.*; Star mills toilet-paper to 11*d.*; white wax to 2*s.* 4*d.* per lb.

Fires at Chemists' Shops.

The premises of Messrs. Thorburn, chemists and grocers, at Bishop Auckland, were to a large extent destroyed by fire on Tuesday last.

A fire occurred on April 28 at the premises of Mr. G. A. Yates, chemist and druggist, Dulverton. It was caused by a polish boiling over during the momentary absence of the attendant. The apartment was set on fire, and though the flames were soon checked considerable damage was done.

Chemists and the Half-holiday.

In conjunction with the other tradesmen of the town, the chemists and druggists of Bournemouth have decided to inaugurate the early closing on Wednesday.

At the annual meeting of the Grantham Early-closing Association it was stated that some chemists were now closing at 1 o'clock.

As the result of the early-closing meeting held at Southampton last week, in which it was stated that 200 tradesmen, including chemists and druggists, had promised to close their places of business each Wednesday at 2 P.M., an association has been formed with 533 members.

Manchester and the Benevolent Fund.

A concert in aid of the Benevolent Fund was given in the Gentlemen's Concert Hall, Manchester, on Wednesday evening. There was a good attendance. The vocal soloists were Miss Ethel Panton, Miss Stanley Burgess, Mr. W. Lalande, and Mr. R. Hoyle. Madame Galatea Thorpe played solos on the harp, and Mr. A. J. Schofield accompanied himself in several ditties on the banjo. That favourite humourist, Mr. Hugh Montgomery, also contributed to the pleasures of the evening. Mr. A. Ainsworth accompanied and conducted.

Fatalities With Narcotics.

Bromidia.—On Wednesday an inquest was held regarding the death of Mr. George Somerville, a commission agent, 41 Manor Park, Lee, and in business at 26 Aldermanbury, E.C. Last Saturday morning he was found dead in his bedroom, two empty bromidia bottles and a wineglass being beside him. Dr. B. Gordon stated that he had attended Mr. Somerville, who was of intemperate habits, and he had doubtless been driven to take the drug through drink, in order to induce sleep. The jury's verdict was death by misadventure, from an overdose of bromidia.

Chlorodyne.—On the same day the circumstances of the death of Mr. Daniel Horwitz, aged 56, an optician, 75 Marquess Road, Canonbury, who suffered from diabetes and insomnia. He took chlorodyne secretly, against his doctor's orders, and on Saturday morning was found partly unconscious, seated in his parlour. He confessed to having taken a very large dose of the drug, as "he had had no sleep for a fortnight." In spite of all the doctor could do, Mr. Horwitz gradually sank, and died on Sunday. Again—death by misadventure.

The Queen's Chemists at Manchester.

Messrs. Gibbons & Sons, Market Street, Manchester, "Royal Druggists," are having considerable alterations made in their premises, which, when completed, will have a very handsome appearance, beds of white marble being used for supporting the window-frames. Some surprise has been occasioned by the absence of the names of the Queen's chemists from the recent Diamond Jubilee subscription-lists, but the fact is easily explained. The firm, we have been informed, were never consulted by the Jubilee Fund Committee, and knew nothing of the movement until some time after the fund had been established.

Birmingham Dispensers on their Trial.

The Health Committee of Birmingham have at present under consideration the question whether it would be advisable to exercise the powers they possess under the Food and Drugs Act. The committee recently learned that amongst medical men there was an impression that in some instances the drugs used in making up medicines were below the standard to such an extent as to render the prescriptions useless. The Inspector under the Food and Drugs Act visited many of the chemists' shops in the city, and asked for certain medicines to be prepared. When the prescriptions were completed the chemists were informed what the medicine was required for, and in accordance with the law the dispensers were allowed to retain one-third of the medicines dispensed. Another third will be submitted to Dr. Hill, the City Analyst, for examination.

Cricket News.

A match was played on Saturday last at Brockley between Barron Harveys' C.C. and Nobles & Hoare's C.C., resulting in a tie, each side scoring 33.

Burgoyne Burbidges' Cricket Club opened their season on May 1 with a match against the Heron C.C. (Hearon, Squire & Francis). Burgoyne's scored 64 and the Heron 33.

Davy Hill's C.C. ask us to state that they have open June 5, July 17, and September 11 away, and June 12, September 4 home (Brockley), for matches with drug clubs. Communications to be made to E. Sibley, 101 Southwark Street, E.C.

We should be obliged if the secretaries of all drug cricket clubs would send us lists of their engagements, and also send their records during the season promptly, so as to enable us to prepare a championship table from the inter-drug-club matches.

For the Greek wounded.

The *Daily Chronicle* acknowledges a donation to the national fund for the Greek wounded of a large supply of medicines in compressed form from Messrs. Burroughs, Wellcome & Co., who have also lent to the medical officers three of their latest design portable "Tabloid" medicine-chests, three "Tabloid" medicine-dispensing belts, and twelve "Tabloid" pocket-cases.

Messrs. Condy & Mitchell (Limited) have given a large donation of Condy's fluid. The workpeople in their factory begged (when they knew the fluid was intended for the wounded) that they might put up half the quantity without pay, as a contribution from themselves.

The *Chronicle* acknowledges its indebtedness to Mr. Edmund White, B.Sc., pharmaceutist at St. Thomas's Hospital, who has supervised the selection and despatch of the medical and surgical stores. The total number of cases and bales of dressings, &c., will be about seventy-five. Every one who has supplied goods has given the *Chronicle* the greatest possible assistance, particularly Messrs. Robinson & Co., of Chesterfield, "who have done wonders in a very short time," says our contemporary. The following are some of the items dealt with:—Twenty-four thousand yards (nearly fourteen miles) of antiseptic gauze, in six-yard lengths; 10 cwt. of absorbent lint, in 1-lb. packets; 5 cwt. of boric lint; 10 cwt. of absorbent cotton-wool in 1-lb. parcels; 10 cwt. of sublimate wool; 7 cwt. of Gamgee tissue, in 1-lb. rolls, and 150 gross of roller-bandages, each 2½ inches wide and 5 yards long. We understand that Messrs. Burgoyne, Burbidges & Co., Coleman Street, E.C., have supplied a large quantity of drugs for the fund.

In Happy Holborn.

The Holborn Board of Guardians on Wednesday accepted the tender of Messrs. H. Wallace & Co., of Fenchurch Street, for the purchase of sulphate of ammonia from their gasworks at Mitcham, at 6*l.* 7*s.* 6*d.* per ton, to be removed in the

purchasers' own bags. The Local Government Board had written declining to accede to the Holborn Board's proposition to increase the salary of Mr. Hewitt, one of the dispensers, because the sum at present paid had reached the limit allowed by the Consolidated Orders. Dr. J. W. Hunter, chairman of the Dispensary Committee, had occasion to defend a professional brother at the same meeting, and to politely tell a lady Guardian (Miss Baker) that she did not know what she was talking about. A medical gentleman (Mr. James, from the Huddersfield Infirmary), who was applying for the post of assistant medical officer at the Highgate Infirmary, was objected to by Miss Baker because he had not "M.D." attached to his name, although he had "M.B., B.Ch." Dr. Hunter said M.D. was an ornament which could be purchased for 15*l.*, and Mr. James was elected.

Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

The Petroleum-trade in Dublin.

Mr. William Francis Moore, of the firm of Hugh Moore & Co., wholesale druggists, Dublin, gave evidence on April 30 before the Petroleum Committee. He stated that the amount of petroleum oil received in Dublin last year was 122,500 barrels, of which 112,393 barrels were American.

Contractors must be Respectful.

The Dromore Guardians had to consider the various tenders last week, and one of the Guardians was particularly insistent that the tender put in by Mr. White, of Sligo, should not be considered until that gentleman had apologised for some disrespectful remarks he had made about the Guardians. This objection was, however, overruled, and after examination with the assistance of the medical officers, it was reported by a committee of three that the lowest tenders were those of Messrs. White and Boyers. But one member of the committee contended that these tenders were not the lowest; that if a certain high-priced drug in Adamson's list be eliminated—a drug seldom or never used—the prices of the others would, on the whole, be less than White or Boyers. The Chairman, however, ruled that the majority of committee be upheld, and gave the contract to Messrs. White and Boyers.

A Strike in the Mineral-water Trade.

The strike which broke out recently amongst the employés of Messrs. Bewley & Draper, wholesale chemists and druggists, Mary Street, Dublin, still continues. The dissatisfaction is confined to their mineral-water factory, the operatives in which demand an all-round increase of 3*s.* a week, with an hour's less work every day. The strikers also want boy workers to be paid 8*s.* a week instead of 6*s.* as heretofore.

Personal.

Sir Henry Cochrane has contributed the princely donation of 5,000*l.* to the funds of the Irish Agricultural Society.

Among the elections at the Easter Vestries we note the names of Mr. J. N. Vance, L.P.S.I., Greystones, county Wicklow; Dr. Rudolph A. C. Burnes, pharmaceutical councillor, St. Paul's, Dublin; Sir Henry Cochrane, St. James's, Bray; Mr. R. Downes, Vice-President of the Pharmaceutical Society of Ireland, Leeson Park Church, Dublin; Dr. E. McDowel Cosgrave, L.A.H. examiner to the Pharmaceutical Society of Ireland, St. George's, Dublin; Mr M. Mannion (Mannion's Pharmacy, Great Brunswick Street, Dublin), the Mission Church, Townsend Street, Dublin; Dr. E. W. Allson, L.P.S.I., Cork, Christ's Church, Cork; Mr. W. F. Wells, President of the Pharmaceutical Society of Ireland, has been unanimously elected people's warden of Christ's Church, Leeson Park, Dublin; Mr. E. M. Hodgson, J.P., Honorary Treasurer to the Pharmaceutical Society of Ireland, has been elected synod's representative and member of the select vestry of Zion Church, Rathgar; and Mr. James E. Brunker, ex-President of the Pharmaceutical Society of Ireland, has been elected select vestry and synod's man, Magcough Church, Palmerston Park, Dublin.

Ringing the Changes.

Stewart Beckett was charged at the Navan Petty Sessions last week with attempting to ring the changes on certain traders in the town. One place where he tried this trick was at Mr. Warren's pharmacy. Beckett has been sent to gaol for a month's "hard."

Patrick's Joke.

Patrick McMahon has gone for trial on a charge of maliciously smashing the plate-glass window of Messrs. Hamilton, Long & Co.'s State Pharmacy, Upper Sackville Street, Dublin, by kicking it in with his boot. Patrick said he only did it for a joke.

Pleased with their Contractor.

At a meeting last week of the Kilmacthomas Board of Guardians the Clerk reported that he had gone through the medicine-contract and compared the prices of no fewer than 342 items, and found the prices of the several firms to be:—Apothecaries' Hall, 19*l.* 19*s.*; Halls, Dungarvan, 14*l*; Clarke, Belfast, 11*l.* 19*s.* 4*d.*; Harrington & Co., Cork, 18*l.* 1*s.* 6*d.*; O'Ryan, Tipperary, 16*l.* 5*s.* 11*d.*; and Leslie & Co., Dublin, 11*l.* 10*s.* 8*d.* The Chairman said that Messrs. Leslie & Co. were their old contractors, and they had, he believed, given invariable satisfaction. Dr. Walsh, dispensary officer to the Union, concurred. Their deliveries were most punctual, and no fault could be found with their medicines. Messrs. Leslie & Co.'s tender was accordingly accepted *nem. con.*

Errors in Drug-contracts.

The Board of Guardians of the South Dublin Union met on April 29 to appoint a drug-contractor. Tenders had been received from Messrs. Thacker & Hoffe, Dublin, 753*l.*; Messrs. Clarke & Co., Belfast, 912*l.*; Messrs. P. A. Leslie & Co., Dublin, 938*l.*; and Messrs. Boileau & Boyd, Dublin, 946*l.* Captain Boyd said these contracts had been before the Board for four weeks. He had pointed out certain irregularities in one of the tenders, and the committee had postponed the selection. He referred to clerical errors in the tender sent in by Messrs. Clarke & Co., who, he remarked, contributed nothing to the Dublin rates. He moved that the tenders to which he referred be discarded. Mr. Byrne pointed to certain clerical errors in Messrs. Thacker & Hoffe's tender, and seconded Captain Boyd's motion. Mr. Mooney moved as an amendment that Messrs. Thacker & Hoffe's tender be accepted. The errors mentioned by Captain Boyd were technical, and had not been made by the contractors—in fact, not one of the tenders was strictly correct. He did not see why they should pay 139*l.* more than they need. The amendment was put, and carried by 17 votes to 10. Messrs. Thacker & Hoffe were accordingly declared contractors.

Belfast Business Changes.

Mr. Andrew McNaught, L.P.S.I., has removed to new premises at Bride End, where he has secured an attractive corner.

Mr. Gibson, L.P.S.I., has opened a new pharmacy in College Square North.

Mr. Arthur Kinkead has sold his business as a manufacturing chemist to Messrs. Kennady & Morrison, but will continue in the business as manager.

Messrs. J. Brown & Co., North Street, have now taken possession of their new drug-stores. They had to remove under the improvement order in Council. They secured the old site, and have put up a handsome building.

New businesses have also been opened at Rathfunel by Mr. Shannon, registered druggist, formerly of Mr. R. Spence's, Castlidley; also at Newtown Hamilton by Mr. Ardis, registered druggist.

The businesses at 13 Donegall Street and 31 York Street, lately purchased from Mr. A. Kinkead and Messrs. James A. Campbell & Co. by Messrs. Samuel Gibson & Co. (Limited), are to be removed to new and more central premises in Gurk Street.

Pharmaceutical Chemists' and Apothecaries' Assistants' Association of Ireland.

At a business meeting of this Association, held on April 29, the suggested change in the name of the Association into something shorter and more "catchy" was discussed. The titles "Junior Pharmaceutical Association," "Irish Pharmacists' Association," and "Dublin Association of Pharmacists" had each their respective admirers, and it was ultimately agreed to report to a general meeting of the members. It was also resolved to wind up the winter session with a supper on May 11. A sub-committee was appointed to make the necessary arrangements.

The Chemists' and Druggists' Society of Ireland (North Branch).

The usual monthly meeting of committee was held on April 30, Mr. John Watson (Vice-President) in the chair. After the routine business a letter was read from a subscriber, who complained that grocers in his district were allowed to sell poisons and poisonous patent medicines. He did not think it was any good subscribing to either Society if no protection was granted. The Hon. Secretary was instructed to reply that the matter would have attention, but to point out that the duty of prosecuting in such cases rested with the police or the Pharmaceutical Society. Another letter was read from an associate in the country, stating that he had been summoned for sale of poison. He had lately succeeded to an old-established drug-business and had paid the fee for examination, which he failed to pass, but intended to go up again for examination. The Hon. Secretary said he had replied, advising that the position should be fully explained to the Magistrates, who would then probably only inflict a small fine. The Hon. Secretary said there was no one registered in the town in which this trader lived or within a considerable distance. Another letter, from Mr. R. W. McKnight, M.P.S.I., Hon. Sec. Ulster Pharmaceutical Association, asked if this committee would confer with theirs in reference to the advisability of inviting the British Pharmaceutical Conference to visit Belfast in 1898. The committee unanimously agreed to join in considering the matter.

Charge against a Druggists' Bookkeeper.

On Monday last, Frederick Naar was charged in the Dublin Police Court with embezzlement and falsification of the accounts of his late employers, Messrs. McMaster, Hodgson & Co., wholesale druggists. A dairyman deposed that he had paid the defendant 9*l.* due on an account. Police-sergeant Montgomery said there was reason to believe that the prisoner's position was due to his laying money on horses. He asked for a further remand. The firm, on examining their accounts, found defalcations amounting to 500*l.*, and they were making further investigation. The prisoner was further remanded.

Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

Edinburgh Pharmacy Golf Club.

The first monthly competition of the season for the "Dick Medal" was played over the Braids on Friday and Saturday last, in somewhat unsettled weather. There was a good turnout, and some good scores were handed in. The winner, Mr. W. J. Walker, had the brilliant score of 79 *plus* 2 = 81, which is the record of the Pharmacy Club for this course. Messrs. Sinclair and Walker beat Messrs. Nicol and Buttars in the final for the "T. & H. Smith Trophy," which was played on Wednesday, April 28, two ties having been previously played. The game in the final was close, and finished in a tie. It was decided to play two more holes, when Messrs. Sinclair and Walker won by a hole.

Coming of Age.

On the evening of April 29 about sixty of the employés of the Glasgow Apothecaries' Company were entertained at supper by Mr. and Mrs. R. McAdam, at their residence, Craigadam, Pollokshields, to celebrate the 21st birthday of Mr. McAdam's eldest son. Mr. Walker made a congratulatory speech, and Mr. Colin Campbell, as the oldest employé, presented a gold watch, which bore a monogram and the following inscription:—

TO

ALEXANDER M. McADAM,

FROM THE

Employés of the Glasgow Apothecaries' Company,

As a Token of Regard on his Attaining his Majority.

The evening was passed very pleasantly with music and other entertainments.

Antitoxins are Costly.

The managers of the Edinburgh Royal Infirmary are finding that serum treatment is somewhat costly. It was stated at a meeting last week that between 50*l.* and 60*l.* worth of antitoxin was used in a single case of tetanus, which recovered.

"A Slap in the Face."

The division on the by-laws motion at Dundee last week which secured a small majority for the Pharmaceutical Council was exciting, and had it not been for the presence of an unusual number of officers of the Pharmaceutical Society the motion disapproving of the ten-guinea Minor fee would have been carried. As it was, the Dundee chemists voted two to one for the motion.

Rival Chemists.

At a meeting of the Falkirk Parish Council on Monday offers for the supply of medicines for the ensuing year were opened from Mr. Andrew Young, chemist, and Mr. Robert Sinclair, chemist, both of Falkirk. Both were willing to supply the medicines required at 2½ per cent. over wholesale prices. It was moved and seconded that Mr. And. Young's offer be accepted, and then it was moved and seconded that Mr. Sinclair's offer be accepted. On a division, Mr. Sinclair was found to have seven friends on the Council, while Mr. Young had only six.

Grocers' Licences for Chemists.

At the Edinburgh Licensing Confirmation Court on Monday, after some opposition by Mr. A. J. Young, grocers' licences for the sale of wines and spirits were finally granted to Messrs. Inman, 1 South Clerk Street, 46 Leith Street, and 13 Shandwick Place; Gibson & Co., 19 South Clerk Street, 87 Lothian Road, and 8 Nicolson Street; and to the Scottish Drug Depôt (Limited), 16 Nicolson Street, on the understanding that they would close their premises on Sundays. A difficulty arose, however, over the licence granted in the lower court to Mr. David McLaren, 42 South Clerk Street. The Chief Constable intimated that Mr. McLaren kept his stock of wines in a store next door to his shop, and it was necessary that the licence should be applicable to that store. He found, however, that the application did not apply to the store, but to the shop, and he believed that it was not Mr. McLaren's intention to close his shop on Sundays. Mr. McLaren said he desired the licence not for a retail business, but for a wholesale. The Chief Constable said it would be illegal for the Court to grant any certificate to Mr. McLaren, unless he closed his doors on Sundays, and as Mr. McLaren declined to do that, confirmation was refused.

French News.

(*From our Paris Correspondent.*)

The French Herbalists held their annual banquet in Paris last Sunday evening. The speakers discussed the new pharmacy law and the effect it may have on their trade. The herbalists are afraid that the existence of their com-

merce is threatened by the Bill, for reasons already mentioned in the *C. & D.* of February 13, 1897. M. Le Senne, however, a deputy, who was at the banquet, assured them that their interests would be well cared for at the proper time. In a flippant article on the subject, a leading Paris newspaper, *Le Matin*, says:—"The humble herbalists have reopened the campaign against the powerful corporation of pharmacists. This war between brother enemies is older than the Oriental question. We will not go back to the Flood, neither will we disturb the apothecaries of the fourteenth century, but let us speak of the pharmaciens of to-day." The herbalists will have a good many defenders among the people, on the ground that they supply simple remedies to the poorer classes at moderate prices.

A Political Pharmacist.—A member of the General Council of the Sarthe department, M. Ajam, has made a charge against a pharmacien which may lead to a criminal action. In February, 1892, M. Saugeron, pharmacien, of Mamers, who held an appointment for the supply of drugs and medicine to the poor, had some discussion with the local Prefect, which ended in M. Saugeron's privilege being cancelled. The pharmacien thereupon announced his intention to distribute medicaments to the necessitous poor without charge. This he did from 1892 to 1895, although another pharmacien had been appointed by the Prefect to supply medicine, &c., to the poor officially. M. Saugeron is an active politician, and M. Ajam describes his liberality merely as an electioneering scheme. In January, 1895, the rule by which medicines were supplied to the poor on account of the relief office by a pharmacien having an appointment was revoked, and M. Saugeron was then entitled, like all his competitors, to claim payment for the prescriptions he filled that emanated from dispensary doctors. But M. Ajam now alleges that M. Saugeron had tried to obtain payment for some of the medicines supplied by him gratuitously, by including with his accounts old prescriptions on which he had altered the dates. The General Council voted unanimously that the charge should be investigated.

Colonial and Foreign News.

Cape Colony Chemists.—The report of the Colonial Pharmacy Board of Cape Colony for 1896 shows that the number of chemists and druggists registered during 1896 was fifteen, as compared with eighteen in 1895, sixteen in 1894, nineteen in 1893, fifteen in 1892, and thirty in 1891.

Strasburg University.—The twenty-fifth anniversary of the foundation of the Kaiser Wilhelm University at Strasburg has just been celebrated there with much *éclat*. Amongst the participants we notice the name of Dr. Frederick B. Power, of London, an alumnus of the University and a former assistant to the late Professor Flückiger.

Brazilian Apollinaris Water.—In an American report on the foreign trade of Argentina, Uruguay, and Brazil, issued by the National Association of Manufacturers, it is stated that Apollinaris water is to be found in every portion of Brazil, and it is all made in Rio, although the label and the appearance of the bottle are identical with the European article.

Fire at King William's Town.—A serious outbreak of fire occurred on the premises of Mr. G. E. Cook, chemist, King William's Town, on April 1. Mr. Cook is the manufacturer of the "Ormond's Atrican Remedies," and while one of his native employés was engaged in preparaing them some live ashes from a tobacco-pipe he was smoking fell into the spirit, which at once caught alight. The native pluckily attempted to drag the burning liquid out of the shed, and whilst doing so was severely burnt. Before the fire was subdued considerable injury was done to the stock of "African Remedies."

Foreign Pharmacists in Bulgaria.—At the present time a considerable proportion of the pharmacists practising in Bulgaria are Austrian subjects with Austrian diplomas. A Bill laid before the Bulgarian Legislature, however, expressly excludes Austrian diplomas from acceptance in Bulgaria for the future, and prohibits Austrian subjects from practising pharmacy in that country. If the Bill passes it will inflict a serious injustice upon Austrian pharmacists in Bulgaria, for the law of the country does not allow foreigners to sell their estate in Bulgaria and the property of the Austrian pharmacists in Bulgaria will therefore be practically confiscated. The measure seems simply due to professional jealousy of their Austrian colleagues on the part of the native Bulgarians.

The Clairvoyant and his "Pinky Pills."—On April 6 and 7 an action was heard at the Johannesburg Police Court in which "Professor" George Williams, of Johannesburg, an American clairvoyant, sued the editor of the *Transvaal Critic* for criminal libels contained in two articles commenting unfavourably upon the plaintiff's character and business methods. The "professor," besides reading the "past, present, and future" for a consideration, and using his "occult power" in reconciling husbands and wives and emprises of like character, has a trade in "pinky pills." He professes himself anxious that those pills shall not be mistaken for the pink article for pale people. He also works the planetary system—at least, he professes to have it at his call. Besides the "pinky pills," Professor Williams sells two other American remedies, "Buttereta" and the "Female Regulator," at 10*s.* a bottle. They are made by a "medium" answering the name of Johnny Smith, vaguely described as "of America." The *Transvaal Critic* thought the professor a swindler and a humbug, and said so. It likewise described him as a "foul-mouthed scoundrel," which the professor regarded as an unfriendly act. Hence he brought the action. The defence called several witnesses who testified that the professor made a practice of selling medicines to procure abortion, and generally lived up to the designations bestowed upon him by the editor. The Court found for the defendant, and at the conclusion of the case the professor was arrested on a charge of fraud. He was liberated on a 250*l.* bail, but failed to appear next day, and his bail was estreated. The police are now hunting for him.

Pharmaceutical Examination at Plymouth.

THE following were the questions set by Professor H. G. Greenish to the Plymouth students, at the examination for the Association's prize, held on Wednesday, April 28, from 6 30 to 8 P.M.:—

LATIN.

1. Translate the following prescription into Latin, giving the terminations in full, and using no figures:—

Take of—

Subnitrate of bismuth	75 gr.
Diluted hydrocyanic acid ...	12¾ minims
Hydrochlorate of morphine ...	½ scruple
Solution of citrate of bismuth and ammonium	2½ dr.
Chloroform-water to	6 oz.

Make a mixture. Two tablespoonfuls to be taken twice thrice, or four times a day, in water, after meals, for a week.

Is there anything unusual in the prescription?

2. Translate into Latin and decline (in the singular only) "spirit," "fever," "gargle," "teaspoon."

3. What are the maximum official doses of tincture of iodine, tincture of strophanthus, solution of nitro-glycerine, extract of stramonium?

4. Give four examples of the use of the ablative absolute and four of the use of the gerundive in prescription Latin.

PHARMACY.

1. Describe the official process for preparing dry extract of euonymus.

2. Calculate the proportion of the alkaloids of nux vomica in 15 minims of the tincture. If half of the alkaloids present is strychnine, calculate the equivalent dose of liquor strychninæ.

3. How is "fluid magnesia" prepared? Describe each step in the process as fully as you can. How should the preparation be kept, and why?

4. What is meant by the standardisation of galenical preparations? Discuss briefly the desirability of having standardised preparations in the British Pharmacopœia.

Pharmaceutical Society of Great Britain.

COUNCIL MEETING.

AFTER a week's interval the Council met again on Wednesday. The business was light, and little in it was of far-reaching influence. Upon the North British Branch report Dr. Symes threw out a hint that the botany and chemistry examiners should not require Minor candidates to be pure botanists and chemists, and he so far corroborated the statements made in this journal as to suggest that insoluble substances unconnected with pharmacy are not the thing to give the candidates. That is a free paraphrase of his remarks, the doctor not speaking quite so straight. The President replied, defending the examiners. Another new form of passing the by-laws was adopted, and they were finally passed, after Mr. Bateson had freed himself of a speech which at one time had a top-of-the-fence look about it; but he, in the long run, came down on the Council's side—of his own free will, he was careful to explain. The President thanked him, and reserved himself for the special general meeting of the Society. The resolutions of provincial associations were received by the Council with gratitude. Saving the monthly reports, there was little else in the proceedings which calls for notice here, except that the Society's receipts during April amounted to 3,876*l.*, and 3,433*l.* was spent during the month, so that the cash in hand is 1,427*l.*, and 1,700*l.* is needed. The annual report was discussed in private, and, together with the financial statement for 1896, is printed and commented upon elsewhere in this issue.

Business commenced at 11.20, when all the members except Messrs. Storrar and Park were present, or appeared shortly afterwards. The minutes of the meetings held on April 7 and 28 were confirmed.

International Pharmaceutical Congress.

The President said he proposed to postpone the appointment of delegates to the Brussels Congress until those for the British Pharmaceutical Conference at Glasgow were appointed. This announcement was greeted with "Hear, hear."

Deaths.

The President announced the death of Mr. Thomas Earee, of Staines, a founder of the Society, who had subscribed for fifty-six years; also of Professor Edmond Russow, of Dorpat, under whom Professor Greenish studied. Dr. Russow's speciality was the minute anatomy of plants. He was an honorary member of the Society, and a comparatively young man—56. It was proposed to express condolence with his family.

Elections, &c.

The usual lists of new members, associates, and students were read out by the Secretary, and the persons were duly elected, some also being restored to the Society and to the register of chemists and druggists. Diplomas were granted to those who passed the Major examination last month.

The North British Branch.

The Secretary read the annual report of the executive in Edinburgh, which detailed the work of the executive and its committees since June last, all of which was recorded in our pages as the events transpired. In addition, the report dealt with the Honorary Treasurer's intromissions, which showed an expenditure of 1,533*l.*, as compared with 1,401*l.* in 1895, the increase being entirely due to an increase in the number of candidates examined. There had been a decrease in some of the items, such as heating and lighting. While there had been fewer Major candidates there were about 100 more Minor, and the failures amongst the latter had been equal to 67 per cent. The evening meetings had not been a success; only two were held, and the executive feel that Friday evening is not a good night. They will think of another before next session. The number of books circulated in the neighbourhood was 1,242, a falling-off of 250; and to country towns 185, or forty-five better than in the year before; but the library is much more used for reference. The acquisitions to the museum were referred to, and generally it was said that the attendance at 36 York Place was satisfactory, but no figures were submitted.

The President, in moving that the report be received and entered on the minutes, said it showed the careful way in which the Society's business was conducted by the executive under their excellent chairman, Mr. Laidlaw Ewing. He also referred to the new materia-medica collections which had been acquired, speaking of them as being of such considerable magnitude that the disposal of them in the Society's premises would give the executive much thought.

Dr. Symes agreed that the report was satisfactory, but he deplored the large percentage of failures in the Minor. He suggested that it would be a good thing to get a return of the percentages of failures in particular subjects. He had the feeling that professors of chemistry and botany who were examiners might each consider his subject such an important one as to lay too much stress upon it. He had been told that the subjects given for analysis were quite out of the way, and mentioned pipeclay in this connection; but the exact words used by Dr. Symes did not reach our reporter.

The President said the information which Dr. Symes wanted would probably be given in the report by Sir Douglas Maclagan or his successor in the same way that Dr. Stevenson gave it; but he explained that there was always a large number of failures in practical subjects, as well as in the scientific, and he thought that the special examiners were exceedingly anxious to do all they could to bring out the information which candidates possessed, and treated them in the same way as other examiners

Dr. Symes explained that he did not wish to reflect upon the special examiners, but he was anxious that those who examined in chemistry should not think that their men were to live by pure chemistry, or that the botany examiners should require the candidates to be pure botanists; they simply wanted these subjects treated in a reasonable way in view of the calling of the candidates.

The President was understood to say that the subject was a difficult one to discuss in public, but he assured Dr. Symes that the chemistry and botany examinations were a test of general knowledge up to a reasonable point.

The matter then dropped.

The By-laws.

The President moved, and it was agreed, that the amended by-laws be taken as read.

It was also moved that the amended by-laws as read—first time on April 7 and a second time on April 28—be read a third time and confirmed.

Thereupon Mr. Bateson said he would feel uncomfortable if he did not say something in regard to this matter, for he had read all the criticisms about them, and had formed an independent opinion on the matter. He was glad to see that feeling was almost unanimous regarding the Preliminary, which would raise the status of the profession, but the same unanimous feeling did not apply to the raising of the Minor fee. He was not at all surprised at this. The Council had discussed this particular by-law, and it had been passed on two occasions *nemine contradicente*. But there were two sides to the question. One that the ten-guinea fee would prevent young men going into pharmacy, and make them take up other professions which were not so costly in brain-power or money. Another view was that the five-guinea fee was too low, and not at all commensurate with the privileges conferred, because each man who passed had his name placed on the register and obtained life protection. He now knew better than he did twelve months ago how much was done on behalf of men in business, and anyone who sat on the General Purposes Committee could not help seeing what was done there for the trade. He knew that the question *Cui bono?* was raised, as mentioned by Mr. Carteighe at a recent meeting; and in country places the question was asked, Is the game worth the candle? That needed attention. There were gentlemen round the table who had good dispensing-businesses, to whom the ten-guinea

fee was not of much moment, but it was different in the country, where men had a hard fight to live. He knew many who formerly kept three or four assistants, and had now but one, and the fee would be hard to them. However, he had decided to support the proposal, and he gave his opinion without being influenced by the leading lights round the table. He had never regarded the raising of the fee as a means to bolster up the Society, and the proof of that was in the present financial condition of the Society. The raising of the fee would tend to raise the Society and bind the members together. In future great things would have to be done by the Council, and he spoke as one of the youngest members who had been attacked in certain quarters.

The PRESIDENT expressed his appreciation of this speech, and was glad to think that Mr. Bateson had approached the matter with an open mind and had so clearly supported the Council. He himself would have something to say about the matter later on. He then read resolutions by the Sunderland, Hull, Liverpool, and Plymouth Associations in support of the amended by-laws. The Liverpool one had a specially hearty greeting.

FINANCE.

The following is the gist of the statement submitted by the committee:—

General Fund Account.

	£	s.	d.
Balance March 31	984	16	7
Receipts during April	3,876	5	0
	£4,861	1	7
Paid during April	3,433	1	8
Balance April 30...	£1,427	19	11
Sum now required to meet bills, &c., due	1,700	17	
Benevolent Fund balance	£784	19	8
Donation Account	614	6	5
Orphan Fund Account	138	14	0

The payments from the General Fund Account included *Journal* expenses, examiners' fees, salaries, current expenses, rates, and taxes.

The PRESIDENT, in moving the adoption of the report, stated that the receipts were large on account of subscriptions. He also mentioned the legacy by Mr. George Nind, the 2,000*l.* being for the General or Benevolent Fund of the Society.

BENEVOLENCE.

Two 10*l.* grants and three 5*l.* were given. Two applicants were refused.

Mr. BOTTLE asked the support of those who have votes for the Wanstead Infant Orphan Asylum on behalf of Walter Percy Buck, aged 2½ years, whose father was a chemist at Haverhill, and died leaving a widow and seven children. Votes may be sent to Mrs. Buck, 63 Inkermann Street, Luton.

Also for Robert Kirkby, aged 5½, whose father, a pharmaceutical chemist, was in business at Ramsbury, Wilts., and died leaving a widow and four children. Votes may be sent to Mrs. Kirkby, 5 Ponder's End Villas, Hertford Road, Ponder's End, N.

Mr. BOTTLE added that these are most deserving cases, and he hoped that drug-trade men would work well for them.

SUNDRIES.

The Library, &c., Committee report was adopted. There was nothing unusual in it, except a request by Dr. Collie for four new balances, which was granted.

Mr. W. C. Collen, St. John's Road, S.W., was appointed divisional secretary for Battersea.

The resolution of the Executive of the North British Branch regarding a proposed Pharmacy Act Amendment Bill to make chemists and druggists eligible for Council membership, was referred to the Law and Parliamentary Committee.

EXAMINATION RESULTS.

	Examined	Passed	Failed
London Major ...	... 32	... 20	... 12
„ Minor ...	... 235	... 75	... 160
Edinburgh Major	... 5	... 1	... 4
„ Minor	... 180	... 51	... 129

For the First examination 38 certificates were accepted.

This was all the public business, the Council going into committee to consider the annual report and financial statement, which, on resuming, were adopted. These are printed on this and the following pages.

ANNUAL REPORT OF THE COUNCIL.

FINANCE.

THE fifty-sixth financial statement is submitted with this report. It is satisfactory to note that the anticipations of the Council with reference to the reduction of the balance on the *Journal* account appear to have been well founded, and it is confidently hoped that the improvement will be continued. The figures relating to School fees and the expenditure for carrying out the School and Research work do not afford any definite indication of the probable effect of the recent changes in the arrangement of the Society's educational work, but there is every reason to assume that the School will in future be carried on with enhanced efficiency and more economy.

EXAMINATIONS.

During 1896, 1,533 candidates presented themselves for the first examination, and 829, or 54·07 per cent., failed. The number examined shows an increase of 133 as compared with the preceding year, with a higher percentage of failures. For the qualifying examination 1,449 candidates were examined—145 more than in 1895—whilst the percentage of those who failed to satisfy the examiners remained about the same—namely, about 65 per cent. For the Major examination 130 candidates—a decrease of 16 on the previous year—presented themselves, and 53·07 per cent. failed. Dr. Stevenson, in his latest report on the examination conducted by the Board of Examiners for England and Wales, says:—"I have to express my general satisfaction with the manner in which the Minor or qualifying and Major examinations are conducted, and with the great and steady improvements which have been initiated by the Council of the Society and carried out by the examiners during the last few years." Sir Douglas Maclagan has retired from the position which he has held for many years, of Visitor on behalf of the Privy Council to the Board of Examiners in Scotland, and the appointment of Dr. Balfour Marshall to succeed him has been communicated to the Council.

BY-LAWS.

The resolution of the executive of the North British Branch relating to the Preliminary examination to which reference was made in the last annual report, has received the careful consideration of the Council. It has been generally felt that the scope of the examination should be extended, and the Council considers it undesirable that the Society should continue to conduct the First examination after June, 1900, but that registration as an apprentice or student—a necessary condition before entering for the qualifying examination—should be contingent upon the production of certificates of general education, granted by approved examining bodies. It has also been recommended that the fee payable by candidates for the qualifying examination should include a sum equivalent to a registration-fee, and be raised to ten guineas, with a uniform fee of three guineas for re-examination on any subsequent occasion. New by-laws for carrying these changes into effect have been approved at three meetings of the Council, and will be submitted to the members for confirmation at a special general meeting, after the business of the annual general meeting. The proposed new by-laws are printed in the *Pharmaceutical Journal* for April 10, page 315.

COUNCIL.

The retirement of Mr. G. F. Schacht was much regretted by his colleagues, and his sudden death a few months later

is a heavy loss to the Society. In June Mr. Walter Hills was elected President of the Society, and Mr. Carteighe was accorded a special vote of thanks for the ability and self-sacrificing devotion which had characterised his long tenure of the presidential chair.

Museum.

It is satisfactory to record that the Museum of the Society is becoming increasingly useful to members and students, the attendance during the past year having been larger than during the previous year. It is recognised by the pharmaceutical world as one of the richest of its kind, and rare drugs are frequently received from other countries for identification, as well as applications for specimens for special histological, chemical, and physiological research. The Museum has also greatly benefited by exchanges with pharmaceutical colleges and institutes, and many interesting specimens have been forwarded by corresponding members and well-known travellers and botanists. The Museum of the Society in Scotland has been largely added to by the acquisition of two extensive collections of materia medica, to which attention has already been directed in the *Journal*.

Library.

The value of the Library for historical purposes is being continually proved, and the importance of pharmaceutical literature has been, during the past twelve months, shown by the presence of members of the staff of the Royal Society engaged on the Catalogue of Scientific Papers, who have been busy in cataloguing some of the periodicals of which the Pharmaceutical Society possesses the only complete sets in this country. The Council continues to add important books to the collection, and has to thank many generous donors for their gifts.

School.

The Council has deemed it expedient to resume the direct control of its School of Pharmacy. The change was facilitated by the retirement of Professor Attfield, Professor Dunstan, and Mr. Joseph Ince, and a scheme for reconstituting the School was approved by the Council at its meeting in August. The essential feature of the alterations made is the extension to nine months of the period of instruction for the Minor examination. A voluntary curriculum is thus established, and the status of the School as an institution in which a sound education is afforded to students rather than one in which candidates are prepared solely for examination is proportionately raised. The fees have been revised, and have been fixed with the object of encouraging students to take the whole course of instruction. Two courses of study are now given, an elementary and an advanced course. The elementary course of lectures and laboratory instruction commences in October and is continued to the end of June, and the advanced course commences in October and terminates at the end of March. The professorial staff consists of the professor of botany, the professor of chemistry—who has also charge of the chemical laboratories and the direction of the Research Laboratory—and the professor of materia medica and pharmacy. The professors are assisted by efficient demonstrators and assistants, appointed by the Council, and in order that the Council may be constantly in touch with the educational side of its work, the Library, Museum, School, and House Committee annually nominates one of its members to act as visitor to the School, with authority to attend the meetings of the staff, and to report from time to time to the committee. The reconstituted School was formally inaugurated on October 4, when an interesting address on the aim of preliminary education was delivered to a large audience by Mr. R. Brudenell Carter, F.R.C.S. The Council has satisfaction in reporting that the fifty-fifth session then opened has amply justified anticipations, and successfully proved the existence of a class to whom the acquirement of a sound technical education for their sons is of higher import than a hastily gained minimum of knowledge requisite to pass an examination.

Provincial Education.

The Council has always willingly identified itself with every effort for the promotion or encouragement of pharmaceutical education in provincial centres, and during the past year its practical sympathy with local activity in this direction has been shown by a grant of 20*l.* to the Liverpool Pharmaceutical Students' Society. This has been expended in the purchase of a materia-medica cabinet and specimens, which have been taken charge of by the authorities of the Liverpool University College for the use of students in the Liverpool district, and should be of material assistance in supplementing the pharmaceutical instruction, for which special provision has been made at the College.

Scholarships.

The Council records with pleasure that it has been able to realise the wishes of the founder of the Manchester Pharmaceutical Scholarship by the appointment of a Manchester scholar. It is expected that this scholarship will attract more competitors as it becomes more widely known in the district to which it applies. The Burroughs Memorial Scholarship, to which reference was made in last year's report, has now been established. The conditions under which the scholarship may be competed for and held have been formulated, and are published both in the *Journal* and the *Calendar*. The Council trusts that this, the latest addition to the Society's educational endowments, will stimulate pharmaceutical chemists to avail themselves of an opportunity to enter upon a post-graduate course of instruction in advanced chemistry and pharmacy with a view to fitting themselves for the conduct of original investigations in those subjects.

Research.

Mr. Thomas Tickle, who has been appointed the Salters' Research Fellow; Mr. Wilfrid Lean, who was appointed Redwood Scholar by the Council in July; and Mr. R. M. Stearn are conducting investigations in the laboratory under the direction of Professor J. Norman Collie.

Evening Meetings.

The session in London was opened by a lecture on "The Discovery of Argon and Helium," by Dr. J. Norman Collie, F.R.S., the Professor of Chemistry in the Society's school. On a subsequent evening papers were read by Mr. David Howard on the "Estimation of Quinine," and by Mr. E. M. Holmes on "The Trees Yielding Myrrh and Gum Arabic." Mr. A. C. Seward, M.A., of Cambridge, gave an illustrated lecture on "Fossil Plants," which was much appreciated, and at the last meeting of the session valuable papers were contributed by Mr. W. Martindale on "Preservatives of Pharmacopœial Preparations," and by Mr. J. C. Umney on "The Commercial Varieties of Fennel and their Essential Oils." The meetings have been characterised by a considerably larger attendance than usual.

Legal.

During the year about 400 cases of infringement of the Pharmacy Act have been brought to the notice of the Council and dealt with. A *résumé* of the cases which came into court is published in the *Pharmaceutical Journal* for January 2, 1897. Beyond occasionally exhibiting the legal difficulties placed in the way of the Society, these cases, with one exception, present no feature for special comment. The exception is the case of the Society *v.* Fox, an unregistered person, who was proceeded against in respect to a sale of Kay's compound essence of linseed—a preparation of morphine. The defence raised was that the preparation came within the exemption provided in section 16 of the Pharmacy Act for "patent medicines," and the point at issue was the definition of a patent medicine. The compound essence of linseed had been the subject of letters patent, but the patent had, by the non-payment of fees, lapsed twenty years previously. Relying upon the words of the Medicine-stamp Act, imposing a stamp duty on medicines at any time prepared under authority of letters patent, the defendant contended that the grant of a patent for a medicine conferred patent privileges thereon for all time. The learned County Court Judge, however, held otherwise, and decided that the exempting words of section 16 did not cover Kay's essence of linseed. This ruling was contested by the defendant, and an appeal was carried to the Queen's Bench, where it was very summarily dismissed with costs.

The action of Sheriffs in Scotland before whom certain cases of infringement have been brought has increased the difficulty of carying out the provisions of the Pharmacy Act

north of the Tweed. The matter is receiving the careful consideration of the Council.

Benevolent Fund.

The income from subscriptions shows an improvement of less than 100*l*. This cannot be considered a large increase when the annual additions to the roll of registered persons are borne in mind. The total amount received last year in subscriptions and for interest was 2,790*l*., and the expenditure in casual grants and for annuities was 2,795*l*. It is regrettable to have to record that in January the Treasurer had not enough to the credit of the current account to pay the amount of the annuities then due, and special efforts had to be made to supplement the available resources of the fund. The Council confidently hopes that this condition of things will be removed during the ensuing year, and that the efforts being made in connection with the Decennial Festival Dinner, and in commemoration of her Majesty's Diamond Jubilee, will contribute to the more general participation of registered persons in the maintenance of the fund, which exists solely for their benefit. The Council has pleasure in recording the good work done by local secretaries and local associations on behalf of the fund, and highly appreciates the valuable assistance thus rendered. During the year 450*l*. was received from the estate of G. Dudgeon, of Nottingham, and a legacy of 9*l*. under the will of a lady whose brother was a chemist. The late H. A. Thomas also left the fund 100*l*., and another divisional secretary recently deceased—the late Geo. Nind—has beqneathed 2,000*l*. for the benefit of those who are unfortuately compelled to look to the fund for help.

North British Branch.

The report of the executive of the North British Branch of the Society, presented to the Council at its May meeting, affords evidence of the efficiency and loyalty with which the Society's work in Scotland is conducted.

Obituary.

The following deaths have to be recorded:—Dr. J. Langdon Down, and Dr. Edmund Russow, honorary members; Dr. Trimen and Baron Ferdinand von Mueller, corresponding members; Thomas Earee, founder; G. F. Schacht, S. C. Betty, and Marshall Leigh, former members of the Council; J. B. Parkin (Ripon), F. Codd (Devonport), W. B. Stonham (Maidstone), E. S. Bradley (Ashbourne), E. H. Dyer (Honiton), and W. Sarsfield (Durham), local secretaries; and H. A. Thomas (City), W. Gulliver (St. George's, Hanover Square), and G. Nind (Wandsworth), divisional secretaries.

FINANCIAL STATEMENTS FOR 1896.

GENERAL FUND.

Receipts.

	£	s.	d.
Balance, January 1, 1896:—			
London and Westminster Bank	785	6	9
In hands of Chairman of Executive (Scotland)	5	15	7
[*Total* £791 2*s*. 4*d*.]			
Interest on Investments:—			
Ground Rents	149	16	8
Rent of 15 Bloomsbury Square	187	10	8
[*Total* £337 7*s*. 4*d*.]			
Subscriptions:—			
1,334 Members, Pharmaceutical Chemists ...	1,400	14	0
569 „ Chemists and Druggists ...	597	9	0
1,651 Associates in Business	1,733	11	0
965 Associates not in Business	506	12	6
841 Students	441	10	6
16 Life Subscriptions	168	0	0
Fees paid upon restoration to the Society ...	6	13	0
[*Total* £4,854 10*s*.]			
Examination Fees:—			
1,722 First Examination	3,092	12	0
2 Modified	1	2	0
1,464 Minor	6,135	18	0
143 Major	397	1	0
Registration Fees as Chemists and Druggists ...	14	14	0
Fees for Restoration to the Register	17	17	0
[*Total* £9,659 4*s*.]			
School of Pharmacy—Students' Fees...	1,367	2	0
London and Westminster Bank An Advance, November, 1896	1,500	0	0
Total	£18,509	5	8

Expenditure.

	£	s.	d.
Annuities:—Mr. Elias Bremridge and Mr. Joseph Ince (1 quarter)...	425	0	0
Carriage of Books and Parcels	19	4	6
Certificates of Death	21	10	6
Evening and other Meetings	48	13	11
Examinations: Minor, Modified, and Major:—			
Fees to Examiners and Travelling Expenses—England and Wales ...	1,045	7	7
Scotland	1,009	18	6
Refreshments—England and Wales	60	13	4
Scotland	53	2	1
Apparatus, Drugs, Chemicals, Printing, and sundry charges—England and Wales ...	335	9	1
Scotland	88	17	6
[*Total* £2,953 8*s*. 1*d*.]			
First Examination:—			
Fees to Superintendents, Hire of Rooms, and other charges—England and Wales	340	2	3
Fees to College of Preceptors	198	19	0
[*Total* "First" £539 1*s*. 3*d*.; all £3,492 9*s*. 4*d*.]			
Fixtures, Fittings, and Furniture	19	16	0
Gas, Water, Coal, Cleaning Materials, &c.	356	17	6
House Servants—Wages	285	4	4
Journal:—Balance of account	2,228	1	9
School of Pharmacy:—			
Stipends of Professors, Lecturer, Assistant Lecturer and Demonstrators, and Wages of Porters	865	19	6
Subscription to Royal Botanic Gardens ...	21	0	0
Apparatus, Chemicals, Specimens for Lecture Classes, Prize Medals, Certificates, and printing and posting prospectuses	202	8	6
[*Total* £1,0 89 8*s*.]			
Law Charges:—Balance of Account	685	3	1
Library:—Librarian's Salary	268	15	0
Purchase and Binding of Books	90	16	5
Librarian attending Meeting of the Library Association	10	10	0
[*Total* £370 1*s*. 5*d*.]			
Museum:—			
Curator's Salary	400	0	0
Assistant's Wages	52	0	0
Curator attending Museums' Association Meeting	10	10	0
Museum Report 1893-94	32	17	6
Specimens, Bottles, and Sundries	40	15	7
[*Total* £536 3*s*. 1*d*.]			
Expenses in Scotland:—			
Assistant Secretary—Salary	250	0	0
Taxes and Insurance	58	15	10
Members of Executive—Travelling Expenses, &c.	33	13	6
Fuel, Light, Water, Cleaning, Service, and Miscellaneous Expenses	305	11	2
[*Total* £648 0*s*. 6*d*.]			
Postage:—General	219	11	2
Journal	875	4	6
Pharmacopœia Committee of the Society (paid on account of)	41	5	5
Provincial Education (Grant to Liverpool Pharmaceutical Students' Society)	18	0	0
Register—Balance of Account	9	2	7
Rent, Taxes, and Insurance of Plate Glass	750	2	10
Repairs and Alterations...	601	13	1
Stationery, Engraving, Printing and Office Expenses	247	14	5
Calendar:—Balance of Account	78	17	10
Salaries:—Secretary and Registrar, and Clerks ...	1,629	19	0
Research Laboratory	381	17	7
Herbarium and Council Medals, and Sundries ...	11	17	8
Travelling Expenses—Council and Committees ...	504	8	7
Refreshments for Council	47	2	8
Interest on Advance from Bankers	33	10	8
London and Westminster Bank—Amount repaid April, 1896	1,500	0	0
Repaid to Treasurer—Amount due to him January 1, 1896	13	18	9
Balance December 31, 1896:—			
London and Westminster Bank	1,243	8	10
In hands of Chairman of Executive (Scotland)...	72	4	8
In Treasurer's Hands	3	11	6
[*Total* £1,319 5*s*.]			
	£18,509	5	8

BENEVOLENT FUND.

RECEIPTS.

	£	s.	d.
Balance, January 1, 1896 :—			
London and Westminster Bank	471	2	6
In Treasurer's hands	1	7	8
Interest on Invested Capital and Ground Rents ...	1,051	1	0
Subscriptions	1,739	14	4
	£3,263	5	6

EXPENDITURE.

Annuitants.

	£	s.	d.
35 at 50*l.* per annum for 4 quarters	1,750	0	0
9 at 40*l.* " "	360	0	0
1 at 35*l.* " "	35	0	0
2 at 50*l.* " 3 "	75	0	0
1 at 50*l.* " 1 quarter	12	10	0
	£2,232	10	0

Grants.

Members and Associates of the Society and Registered Chemists and Druggists (27)	287	0	0
Widows of ditto (25)	266	0	0
Secretary's Casual Fund	10	0	0
Interest on 1,000*l.* borrowed from the Orphan Fund	35	0	0
Printing, Stationery, and Postage	40	10	8
Balance, December 31, 1896 :—			
London and Westminster Bank	386	7	10
In Treasurer's hands	5	17	0
	£3,263	5	6

The Donation Account received 1,024*l.* 5*s.* during the year in legacies and donations, and purchased 1,000*l.* of Consols for 1,108*l.* 16*s.*, leaving a balance of 345*l.* 13*s.* 5*d.*

The Orphan Account received 18*l.* 10*s.* in subscriptions and 44*l.* 15*s.* in interest, and paid 30*l.* on account of the Minett orphan, leaving a balance of 115*l.* 14*s.* 9*d.*

INVESTMENTS.

A sum of 30,727*l.* 15*s.* 8*d.* stands to the credit of the Society, of which 5,551*l.* 5*s.* 6*d.* is in Paddington ground-rents, and the rest in leasehold property in London (2,013*l.* 15*s.* 5*d.*) and freehold (with annual feu-duty) property in Edinburgh (5,042*l.* 14*s.* 9*d.*).

The Benevolent Fund has 28,747*l.* 2*s.* 5*d.* invested, of which 26,497*l.* 2*s.* 5*d.* is in ground-rents. The Orphan Fund owns part of this, also 355*l.* in Consols.

The other investments of the Society are for educational purposes, and amount to 4,738*l.* 12*s.* 6*d.*

The statement was signed by the auditors, Messrs. S. Lloyd Stacey, Chas. Umney, F. Harwood Lescher, and Francis Yates.

Personalities.

MR. J. C. HEWLETT, F.C.S., of Messrs. C. J. Hewlett & Son, has arrived in London after a successful business-tour through the South of Europe.

MR. JOHN HOLDING, chemist, Hemingford Road, Barnsbury, has been reappointed churchwarden of St. Andrew's Church, Thornhill Square, N.

THE LORD CHANCELLOR has appointed Mr. Alfred Preston, late of the firm of Thos. Hodgkinson, Preston & King, a Justice of the Peace for the County of London.

MR. HENRY DAVIS, chemist, Newbury, has been elected a member of the Newbury Town Council, to fill a vacancy caused by the elevation of a councillor to the Aldermanic Bench.

MR. J. M PALMER, who formerly travelled in the country for the Apollinaris and more recently for the Johannis water, has now arranged to represent the Rosbach Springs (Limited).

MESSRS. B. G. LENNON & CO. (LIMITED), Capetown, have given 100*l.* towards the building of a new wing to the Somerset Hospital, Capetown, in commemoration of the Diamond Jubilee.

MR. WILLIAM JUDD, of the firm of Messrs. Judd & Manners, 76 Cannon Street, E.C., has just been re-elected a member of the School Board for Bromley. Mr. Judd was returned second on the list of thirteen candidates.

THE *Lancet* has found it necessary to correct the statement in "Who's Who" that Mr. Ernest Hart was for "several years co-editor of the *Lancet*." This is quite incorrect, says our contemporary. Mr. Hart was at one time a member of the sub-editorial staff of this journal, but he was never co-editor.

MR. G. CLARIDGE DRUCE, pharmaceutical chemist, Sheriff of Oxford, has presented to the Corporation, for the use of future sheriffs, a gold chain, enamelled with the arms of the city and university, in honour of the Queen's Diamond Jubilee, and in commemoration of the forthcoming opening of the municipal buildings by the Prince of Wales.

"A. B.," of the *Sun*, vouches for the truth of this story of President Krüger. The South African representative of Vinolia recently called upon the President with the view of getting an order. He examined the samples very closely, and said in the end, "Yes, they are pretty—very pretty; but Frau Krüger boils her own soap." There was no deal.

MR. C. E. GARDNER, of the firm of C. E. Gardner & Co., of Port Elizabeth, wholesale chemists and drug-merchants, has come to England for a lengthy visit, and will be glad to see anyone interested in the trade in South Africa. He may be addressed, care of Messrs. Walter Kemsley & Co., 44, 45, and 46 Leadenhall Street. We may take this opportunity of correcting an erroneous impression conveyed by a paragraph recently published in this journal from which it might have been understood that Messrs. C. E. Gardner & Co. were relinquishing business generally. The business they sold to Messrs. Mayer & March was only their Queenstown one. They still carry on their businesses at Port Elizabeth, Kimberley, and Colesberg.

Business Changes.

MR. T. L. SCOTT, late of New Herrington, has opened a pharmacy at Trimdon Colliery, Trimdon Grange, R.S.O., Durham.

MESSRS. ROPER BROTHERS, pharmaceutical chemists, Tavistock Road, Plymouth, will shortly open a branch in Tothill, Plymouth.

MESSRS. GILBERT & HALL, homœopathic chemists Bournemouth, have opened a branch pharmacy at Bank Buildings, Boscombe.

MR. H. E. EBBAGE, chemist and druggist, late of Southend-on-Sea, has purchased the business of Messrs. Owles & Son, Hall Quay, Great Yarmouth.

MR. C. H. TWELVES, of Sheffield, has purchased the business lately carried on by Mr. F. Houston at Brimmington, Chesterfield, and will continue it as a branch.

MR. CHARLES WESTPHAL has, in consequence of the fire at 195 Upper Thames Street, E.C., last Saturday, taken temporary offices at 41 Finsbury Pavement, E.C.

THE business of the London Drug and Dental Company (Limited), opposite Broad Street Station, E.C., has been taken by Mr. Charles E. Hillman, pharmaceutical chemist.

MESSRS. STEVENSON & HOWELL have opened an office and sample-room at 4 Produce Exchange, Fennel Street, Manchester, under the supervision of Mr. P. Vaughan Jones, assisted by Mr. H. A. Hurndall.

MR. J. E FRENCH, chemist, of 128 High Street, Sittingbourne, announces that he has purchased a part of the stock and the prescription book in connection with the business carried on by Mr. T. S. Cocking, chemist, of Sittingbourne, who has retired from business.

MR. THOMAS PALMER, B.Sc. London University, of Soignies, Belgium, has entered into partnership with M. M. Willenz, D.Sc., analytical chemist, of Antwerp, and the firm of Willenz & Palmer will carry on business as analytical chemists at 4 Rue Haringrode, Antwerp.

More About the By-laws.

AT DUNDEE.

THE meeting of the new Forfarshire Chemists' Association held at Dundee last week was of a harmonious character, and the work of adopting a constitution and electing office-bearers was quickly got through. Then came a discussion on the new by-laws. Mr. Kerr (President) thought they might approve them so far as the First examination was concerned, but he was afraid there would be objection to the increased Minor fee. Such a proposal might be very good for ensuring a permanent connection with the Pharmaceutical Society, but he thought many young men would find it a little up-hill work to have such a fee to pay. He thought the Pharmaceutical Society's politics were going a little too rapidly. If they got young men of higher education in their shops started at 17 or 18 years of age, instead of 14 or 15, the chances were they would not care to do such menial work as the dusting of bottles; and then it should be remembered that all chemists could not afford to employ porters. (Oh!)

Bailie Doig (Vice-President) said that the Scottish Leaving certificate would satisfy him very well, as the standard of education was sufficient for the young men entering the profession. It seemed to him that with the excessive development of secondary education they were preventing many people from becoming members of a great many of the homelier trades. In the case of lads who stayed at school till they were 16 or 17 years of age, and took the Leaving certificate, it was questionable whether they would be prepared to undertake the routine work in a druggist's shop.

Bailie Kermath, St. Andrews, said his experience was that the better educated the boy was, the quicker service he got from him; but he should never dream of asking such lads to clean the bottles or such like. Those who had a high-class business must make provision for getting a message-boy, no matter how devil-may-care he might be.

Mr. C. T. Duncan: You talk about boys, Mr. Kermath, and you talk about young lads and the going of messages. May I ask if you act up to your principles? (Laughter.) I am sorry to say you do not do so.

Bailie Kermath: I have changed my mind. (Laughter)

Mr. R. M. Lindsay (Dundee) then moved—

> That the members take the opportunity of expressing their disapprobation with the policy of the Pharmaceutical Society in proposing to raise the fee for the Minor examination from five to ten guineas.

He said it was unfair and unjust of that Society to make such a proposal, and that it was against the interests of young men. There was nothing to justify it, and there was no necessity for it; and, besides, the accounts of the Pharmaceutical Society showed that it had sufficient funds to carry on the work of the Pharmacy Act.

Mr. J. W. Russell (Dundee) seconded, mentioning that in Dundee they had at least one man who was entitled to place above his shop that he was a member of the Pharmaceutical Society, yet did not know the composition of water.

Mr. James Jack (Arbroath) moved that they agree to the by-laws in relation to the raising of the fee. He felt surprised at the strong language used by the gentleman who had submitted the motion. He said the Pharmaceutical Society was doing good work for chemists and druggists in the country, and yet there was great antipathy amongst the profession with regard to it. He complained that three-quarters of the chemists in the country had no connection with the Society, and yet they derived a great benefit from the action it had taken.

Mr. J. H. Thomson (Lochee) seconded. He said that the action of the Society in raising the fee was quite legitimate. He entirely disapproved of the strong language made use of by Mr. Lindsay.

Mr. Currie (Glasgow) said he did not think the fee of ten guineas was exorbitant, and he thought it would be most unfortunate if the Forfarshire Association, at that early period of its existence, gave the Pharmaceutical Society a slap in the face.

Ex-Bailie Ferrier said he admitted that the Pharmaceutical Society had done a great deal of good on behalf of the chemists, but there was a strong feeling amongst their younger brethren against raising the fee, and he intended to support the motion against it. Instead of the Society taking a step of that kind, he thought it should endeavour to preserve the interests of the members, so that they might derive more remuneration from the trade they were engaged in.

A division was then taken, when Mr. Jack's amendment was adopted by 14 votes to 10.

AT STOKE-ON-TRENT.

THE North Staffordshire Chemists' and Druggists' Association discussed the by-laws at a meeting held at the North Stafford Hotel, Stoke-on-Trent, on April 29. The President, Mr. J. Averill, J.P. (Stafford), occupied the chair and opened the discussion. He expressed approval of the change suggested in the Preliminary examination, and further argued that 5*l.* 5*s.* was altogether inadequate for the Minor examination, including, as it did, registration for life, for only one-fifth of those who got through the Minor examination sought higher honours, and so did nothing to support the Pharmaceutical Society. He moved—

> That this meeting of the North Staffordshire and District Chemists' Association, having read and considered the proposed new by-laws of the Pharmaceutical Society, are in full accord therewith, and beg to tender their hearty support and co-operation to the Council of the Pharmaceutical Society in their efforts to advance the education, interests, and status of chemists generally.

Mr. I. H. Heap seconded the motion.

Mr. Charles (Burslem) fully appreciated the motive of the Council, but thought that a fee of 10*l.* 10*s.* was too high. The argument might be brought forward that it would keep out unsuitable aspirants, but he did not agree with that theory. He thought the associates, who provided the money of the Society, should be allowed a seat on the Council—(hear, hear)—and more privileges than they enjoyed at present. (Hear, hear.)

Mr. Hewitt thought that boys should not be taken in apprenticeship until they had either passed their Preliminary or were in a fair way of doing so. His idea was that the Preliminary examination should be on a level with the London matriculation, and like Mr. Charles he thought the fee might be lower than was proposed—say, seven guineas.

Mr. W. Poole, in an exhaustive speech, agreed with the proposed elevation of the Preliminary, but did not think it covered as much ground as was necessary. He did not think the status of any man could be raised by increased payments. He alleged that the effect of raising the fees would be that they who were members of the Pharmaceutical Society would enjoy a number of luxuries for which candidates who perhaps did not become members would have to pay. That was not fair, and if the subscriptions of members were not sufficient they should be doubled.

Mr. T. C. Cornwell said that it did not matter whether chemists were members of the Pharmaceutical Society or not—they all received benefit from that organisation. In his opinion, ten guineas was none too much for a young man would spend twice that sum on a bicycle. (Laughter.)

Mr. Hankinson thought the fact that the successful candidates had to pay for a number of luxuries which they did not enjoy would have an influence in making them rather unfriendly towards the Society. Distrust would grow with regard to the Society's methods of raising funds.

Mr. Moore thought the increased fee would not drive anyone away from the trade. If all the members of the trade would only subscribe to the Society there would be no need of an increased fee.

Mr. Jones entirely agreed with the Pharmaceutical Society's action in increasing the examination-fee.

Several other members spoke on the question, and the resolution was carried without a dissentient, Messrs. Poole and Hankinson refraining from voting.

Mr. Edmund Jones announced that he had received the sum of 5*l.* 5*s.* from Messrs. Evans, Sons & Co., Liverpool, towards the Library Fund.

Mr. Brinson was asked to thank the firm for their gift.

AT BRISTOL.

At the quarterly meeting of the Bristol Pharmaceutical Association, held at University College last week, under the presidency of Mr. B. Allen, Mr. J. W. White started a discussion on the by-laws by proposing—

> That this Association desires to express its approval of the new by-laws proposed by the Council of the Pharmaceutical Society.

After favourably commenting on the proposal in regard to the Preliminary examination, Mr. White referred to the proposed increase of the Minor fee. The Society, he said, no doubt wanted money, and naturally turned in the direction suggested. There seemed to be no means of economising but by abandoning the *Journal* or the research-work, and it was impossible to seriously consider either of these plans. He understood that, owing to repeated failures, the average fee now paid by each candidate was 8*l.*; therefore the increase would be more apparent than real. The change would be good if it were the means of ensuring candidates coming up better prepared than at present.

Mr. B. Keen seconded the resolution, and referred to the unanimity with which the proposals has been passed by the Council of the Society, as well as to the uniformity with which provincial associations had supported them, the only note of criticism coming, he remarked, from the Editor of The Chemist and Druggist. He thought the Editor saw in the *Pharmaceutical Journal* a formidable competitor, though he questioned whether the Editor was wise even in his own interests, for he (Mr. Keen) had heard it suggested by readers of The Chemist and Druggist that steps should be taken to inform the Editor that the opinions he had expressed were not those held by most members of the trade. Mr. Keen quoted statistics published in the *Pharmaceutical Journal* of March 20 to show that the publication was no such burden on the Society as had been reported. He added that the increase of fee was really a registration-fee—that after a man had been examined and placed on the register the Society had not done with him. The register had to be kept and corrected from time to time, and if that man did not join the Society the expenses, however long he lived, were borne by the members of the Society, which was most unfair, for he would be really reaping an advantage that others had to pay for.

Mr. Pitchford moved as an amendment:—

> That while approving of the alteration in the Preliminary examination, the increased fee for the Minor was altogether unwarranted.

He confessed himself out of sympathy with the Pharmaceutical Society for a variety of reasons, and thought the increased fee was really intended to be a means of unfair competition with existing trade journals.

The amendment failed to find a seconder, and the proposition on being put was carried by a large majority.

At the same meeting it was resolved that a donation of 5*l.* 5*s.* should be given from the Association's funds to the Benevolent Fund of the Pharmaceutical Society.

Mr. Plumley raised a question relative to the rates charged by parcels companies for small parcels from London, and pointed out that the Plymouth chemists had obtained a much lower contract than that existing in Bristol. He had approached all the carriers, but had failed so far in getting better terms. Thanks were accorded Mr. Plumley for his efforts, and he was desired to continue the negotiations which had thus been opened.

The Hon. Secretary (Mr. Keen) reminded the meeting of the forthcoming election of Council of the Pharmaceutical Society, and urged the advisability of having a larger proportion of London members elected.

AT HALIFAX.

A largely attended meeting of the Halifax Chemists' Association was held on Thursday, April 29, Mr. J. B. Brierley in the chair. The proposed new by-laws of the Pharmaceutical Society were discussed. Clause 11, section 10, was unanimously agreed to: but great exception was taken to clause 17, in respect to the Minor fee. Clause 18 was supported.

The President and Secretary were deputed to be members of the Halifax General Trade Association. Messrs. Farr and Hebden proposed and seconded that a conversazione be held in October.

It was also agreed that Messrs. Curtis & Co., carriers, London, be invited to convey parcels to and from London, and that Messrs. Evans, Son & Co., Liverpool and Newbery, London, be asked to join the Proprietary Articles Trade Association. A detailed account of the P.A.T.A. was given by the Vice-president, and the meeting unanimously thanked the Association for the great amount of work it had done, and pledged themselves to support its efforts.

AT INVERNESS.

At a meeting of the Inverness Chemists' Association, held on April 29, the following resolution was agreed to:—

> That this Association approve of the new by-laws proposed by the Council of the Pharmaceutical Society.

Oxford and District Chemists' Association.

Address by the President of the Pharmaceutical Society.

On April 30 the inaugural meeting of the Association of Chemists for Oxford and district was held at the Clarendon Hotel, Oxford. Councillor G. C. Druce, Sheriff of the city, occupied the chair, and amongst those present were Mr. Walter Hills (President of the Pharmaceutical Society), Mr. R. Bremridge (Secretary of the Pharmaceutical Society), Messrs. G. T. Prior, C. Clayton, C. P. A. Morrison (Secretary), T. Thurland, H. Thurland, J. H. Jessop, Matthews, and Dolbear (Oxford), C. Bradley (Reading), and Heyhoe (Woodstock).

The Chairman said he hoped the meeting would lay the foundation of a very pleasant society, strengthening the bonds of friendship among members of their trade, and proving beneficial in other ways. He hoped they might do something to make their Association prosperous and themselves individually prosperous; to accomplish this they must show that as chemists they were aware of the responsibilities of their profession. They could not expect to get higher prices than other people unless they could do things better. They must not forget that education must be the true keystone of their building. They were glad to welcome there the highest representative of the pharmaceutical profession, who sympathised with them in all their difficulties, and knew what they wanted. (Applause.)

Mr. Bradley asked what the opinion of the Society was with regard to the action of the Pharmaceutical Society as to the increased fees for examination, which was in contradistinction to another question before them—that was compelling all members of the trade to pay a registration-fee. He believed that the Society had decided to increase the registration-fee in order to get funds and sinews for warfare, but he was afraid that instead of bringing the members of the trade together they would utterly fail by the measure. Had they gone to Parliament for a short Bill to enable them to charge the registration-fee of either a half-guinea or a guinea per annum they would have brought the members of the trade together, and by so doing they would have got a body which would have enabled them to carry any question in Parliament with a chance of success.

Mr. Lacey could not see where the registration-money was to go to.

Mr. Matthews said it seemed to him if the fee was increased gentlemen who obtained their degree would value it much more than now. He did not know whether the Society expected to get a large increase of revenue therefrom; he did not think this would be the result. At present he did not think many of them valued their qualification as they should, because they went outside and did all they could against the Society.

Mr. Jessop said they must ask the Society or the Government to protect chemists against charity institutions, hospitals, dispensaries, and co-operative stores. They ought to ask medical men especially to consider this question, because they were mainly the origin of the Society. Medical men asked for better qualified men, and then told th ir patients to go to the drug-store, as they could get what they wanted

better and cheaper there. He thought a good deal of the difficulty arose from the inaction of the Society.

Mr. Dolbear urged the importance of admitting associates in business to membership of the Society.

Mr. Clayton thought the Pharmacy Act should be enforced more effectively against stores, which were being formed almost daily.

Mr. Morrison said it was very difficult to get the majority of chemists to take interest in the Society. He thought by reducing the fees they would get a greater number of associates. A registration-fee, he feared, was in the very distant future.

The Chairman said the question of increasing the fees for the examination was a burning question, and he thought the President would put the matter before them in a manner which would convince them that after all it did not mean entirely an increase; it meant ten guineas to be paid at once for a qualifying examination, and he did not think the amount was excessive, and when it was given to protect a man's title to be a chemist he did not think there should be any grumbling.

Mr. Hills having thanked the meeting for the kind reception they had given him, said he was a little disappointed that nothing had been said of the two principal features of the work of the Society of the last twelve months, but he felt sure that in such a city as Oxford they would have their sympathies in their desire to improve the education of those who were coming into the trade after them. He was glad they were forming an association in Oxford, because if some members were hostile to the Society he knew that in that city they could rely on some who were heartily loyal to the Society. The Pharmaceutical Society was the only body which existed which could really do much for their common success. It was one of the most democratic bodies they could have. The majority of those returned, when they got behind the scenes, found they were doing all it was practicable to do in the interests of their calling. Mr. Hills next drew attention to the importance of a sufficient proportion of London members being elected to the Council, and, referring to Mr. Bradley's speech in favour of an annual registration-fee, he said the question arose in his mind whether they could get a united body of chemists to back them in asking for power to enforce such a fee.

Mr. Bradley said he believed the members of the Pharmaceutical Society would willingly subscribe; he would give 5*l.* now for them to go to Parliament in order to get something of a compulsory registration-fee.

Mr. Hills asked what advantage would that be over what they proposed to do at the present time. They proposed to ask for power to have a fee of ten guineas, which would to all intents and purposes be sufficient for a registration-fee for life; they also thought it would be in the interests of candidates. This question of the registration-fee was one which had arisen from the consideration of the Preliminary examination. He was sorry nothing had been said about that examination. The committee, when they came to work upon it, found it necessary to consider the financial aspect of it, and found that in process of time there would be a considerable reduction of the revenue of the Society from that source, because there would be no repeated fees paid by men who failed to pass the examination. The committee considered that a man valued his qualification at what he had paid for it. If they got the ten-guinea fee they would have sufficient money to meet the purposes of a registration-fee. He thought it would be a bad thing, not only for the Society, but also for the trade, if the Pharmaceutical Society were to be short of funds. Having explained the legal difficulty of proceeding against the limited-liability companies which described themselves as chemists, he said they were not losing sight of that point, and were asking to be heard before a Committee of the House of Lords on the subject. He was not prepared to say, however, that if they got what they wanted in the Companies Act it would help them very much after all. If they could get all the chemists in the country to go to Parliament and ask them to alter the Act in the way they desired no one would be more rejoiced than himself. But they must bear in mind that many members of Parliament were connected with these stores and organisations. He should be only too glad to see what he believed to have been the intention of the Pharmacy Act carried out—namely, that a qualified chemist should be the only person who could keep open a chemist's shop. It did seem very hard sometimes that there should be so little remuneration for a business requiring a considerable amount of knowledge and so much care. Mr. Dolbear had asked what had they to offer those who joined the Society. He thought they offered them everything. (Laughter.) If they could double the incomes of all those belonging to it, he thought it would be a very powerful Society. But he thought they offered a good deal. They did not go out into the highways and hedges and try to find cases of infraction of law, but they did take notice of every case that was brought before them, and they had had to do so in cases in which their own people had, as they considered, broken the law. The proposal to remove the names of those who were guilty of infamous conduct had been discussed occasionally by the Council, but he did not think they could ever get power to strike off the name of a person who joined the stores. He did not think it was quite the right thing for people to stand outside the Society and criticise it. The only way they could do anything was by united effort, and if nine out of every ten on the register were with them they could do a great deal. He was quite willing that associates in business should be members of the Society, not as a matter of justice, but as a matter of expediency. He hoped they would all join the Society and help them.

Votes of thanks were passed to Mr. Hills and the Chairman.

Marriages.

Brown—Brown.—On April 29, at Highgate Presbyterian Church, by the Rev. Alexander Ramsay, B.D., and the Rev. James Brown, M.A., of Glasgow, uncle of the bride, David Rainy, son of David Brown, Willow Brae House, Midlothian (and of J. F. Macfarlan & Co., Edinburgh), to Jeanie, eldest daughter of Nichol Brown, Sunnymeade, Muswell Hill, N.

Grove—Stevenson.—On April 27, at St. John's, Brixton by the Rev. R. Abbay, Rector of Earl Soham, assisted by the Rev. C. J. R. Cooke, the Rev. A. G. Bowman, and the Rev. C. H. B. Williamson, Vicar, William Reginald Grove, M.B., B.C. Cantab., of St. Ives, Hunts, to Clara Hilda, second daughter of Thomas Stevenson, M.D., F.R.C.P., of Sandhurst Lodge, Gresham Road, S.W., Government Visitor to the Pharmaceutical examinations.

Parkin—Stockil.—On April 24, at St. Thomas's Church, Brompton, by the Rev. G. T. Winch, Vicar, Frederic Brooks, only son of the late Mr. J. B. Parkin, chemist and druggist, of Ripon, to Clara, youngest daughter of Mr. J. Stockil, Hallikeld.

Southall—Evans.—On April 28, at Friends' Meeting House, Cheltenham. Alfred William Southall, son of Alfred Southall, Carrick House, Edgbaston, to Ethel Marion, daughter of J. J. Evans, of West Villa, Dunstable.

Deaths.

Barber.—On April 13, Mr. Robert Barber, chemist and druggist, Manchester. Aged 52.

Barber.—The death has occurred of Mr. George Barber, pharmaceutical chemist, at his residence, Elm Bank, West Kirby, in the 72nd year of his age. The deceased had been in business many years, and was well known and greatly respected.

Boehringer.—Mr. Alexander Boehringer, who was once a prominent figure in the chemical-trade, died on March 24 at Houston in Texas. In 1879 Mr. Boehringer started the Fabbrica Lombarda di Prodotti Chimici at Milan, which during the next few years became a very important factor in the quinine-business of the world. Mr. Boehringer, who was the director of the works "incognito," had many of the attributes usually associated with the New Millionaire. He

was going to revolutionise the quinine-business by means of a syndicate. His operations seemed to necessitate much travelling over the Continent by special trains, and many "incognito" visits to the States. Gradually a mysterious halo of financial importance began to surround him, and for two or three years he flashed through the industrial skies as a quinine meteor. Mr. Boehringer's most notable visit to America was in 1884, just after the fire at Powers & Weightman's factory, when he came over to place the Milan works at the disposal of that firm. As a result of his visit, Dr. John Weightman went to Milan, and the firm shipped to that factory a large amount of bark. The failure of the Milan company followed in the succeeding summer, and the state of affairs then revealed was such that Mr. Boehringer considered it advisable to transfer himself permanently to America, where he became associated with the New York Quinine and Chemical Works. This connection was not long continued, however, and for the past six or seven years little has been known here of his whereabouts. Mr. Boehringer possessed a great deal of ability in various directions. He was essentially a promoter, but his excessive optimism led him into undertakings which he could not carry out, and which finally wrecked his reputation. He was a man of attractive personality, a most agreeable companion, and his misfortunes were regretted by a wide circle of friends, who would gladly have had him prove all they believed him to be.

Hards.—On May 3, very suddenly, Mr. T G. Hards, the esteemed representative of Messrs. F. Newbery & Sons, King Edward Street. Aged 44 years.

Holland.—On May 2, very suddenly, Mr. Walter Holland, chemist and druggist, 164 St. Ann's Well Road, Nottingham. Aged 58. Mr. Holland was engaged in his shop from 6 P.M. till 8.30 P.M. that evening. He then went home, and complained of a pain in the chest. He lay down on the sofa, and expired almost immediately. Dr. J. Smith, who made a *post-mortem* examination, said death was due to syncope, caused by fatty degeneration of the heart.

Hopkinson.—On April 30, at his residence, High Street, Grantham, Mr. Thomas Hopkinson, chemist and druggist. Aged 72. The deceased gentleman at one time took an active interest in public affairs, being a Justice of the Peace since 1881; but of late years he confined himself to the management of the flourishing business he had built up. He was a Conservative and a staunch Churchman.

Hunter.—At 217 Wilton Avenue. Montreal, on April 8, Mr. William Hunter, formerly warehouse manager to Messrs. Lyman Brothers & Co., of that city. In his 87th year. Mr. Hunter was a native of Glasgow, and served his apprenticeship to the drug-trade there, and was afterwards in business on his own account in the city until thirty-five years ago, when he went to Canada to accept the position of manager of the warehouse of the wholesale drug-firm of Messrs. Lyman Brothers, and this he held until failing health compelled him to relinquish it. Mr. Hunter was an ardent Presbyterian, and in Glasgow was a member and elder of Rev. Dr. Taylor's church.

Lumley.—On April 15, Mr. William Thompson Lumley chemist and druggist, Howe End, Kirbymoorside, Yorks. Aged 80.

Thornton.—On April 16, Mr. John Thornton, chemist and druggist, Wedmore. Aged 77.

Trollope.—On May 1, Mr. Trollope, chemist, Trowbridge.

A Drunken Freak.—Dr. Stirling Johnson, an American "specialist," residing at Johannesburg, while drunk, tried to lower himself down from the balcony of the North-Western Hotel by means of torn sheets tied together. He fell into the street, broke an arm and a leg, smashed his teeth, and reduced his face to a pulp.

The Indiarubber-business.—Owing to the increase in the cycle industry the consumption of indiarubber has increased to such an extent that it is estimated that last year alone over one hundred millions of trees were destroyed for the purpose of supplying the requirements of the markets At present very few attempts at planting indiarubber trees are made anywhere.

Westminster Wisdom.

Not a Good Prospect.

Of the Bills in which The Chemist and Druggist is interested there is still little else to report but successive postponements. Mr. Kearley's Sale of Food and Drugs Bill now stands for second reading on Friday, May 28. The chances which this and the other Bills of private members have of discussion may seem to have been improved by the expedition with which some Government business has been put through, but there is a probability that this advantage will be neutralised by the House taking a long holiday in June, so as to cover Whitsuntide and the Jubilee by one adjournment.

The Budget—Important Postal Reforms.

Sir M. Hicks-Beach, in presenting his Budget as Chancellor of the Exchequer, had a glowing account to give of national prosperity. We need not here summarise the statement further than to say that the estimated revenue of the past financial year (1896–97) was considerably exceeded, and though the expenditure also showed an excess there was still a substantial surplus of 2,473,000*l.* This has been applied to the purposes of the Military Works Act of this Session. For 1897–98 a surplus of 1,569,000*l.* is estimated. Of this 700,000*l.* will go to naval and military purposes, and 366,000*l.* is to be applied to meet the cost of certain postal reforms which the Postmaster-General purposes to make. These include increased facilities in relation to the rapid and cheap delivery of letters and telegrams, and the reduction of the postage on foreign and colonial letters from 2½*d.* to 2*d.* per ½ oz. The sample-post is to be abolished, and from the time when the change comes into force all articles under 4 oz. will be conveyed by letter-post for 1*d.*, with a further charge of ½*d.* for every additional 2 oz. This rate will apply to samples as well as to letters and small packets generally. Books or circulars under 2 oz. will still be carried for ½*d.*

The Parcel-post.

One of the most important changes is in respect to the parcel-post. From the terms of the statement we were led to infer that the rate on parcels was to be reduced to 1*d.* per lb. up to a maximum of 1*s.* The Chancellor of the Exchequer has hardly, however, been as generous as this. Inquiry has elicited that the rates which will rule are:—1 lb., 3*d.*; 2 lbs., 4*d.*; 3 lbs. 5*d.*; 4 lbs., 6*d.*; 5 lbs, 7*d.*; 6 lbs., 8*d.*; 7 lbs., 9*d.*; 8 lbs., 10*d.*; 9 lbs., 11*d.*; 10 lbs., 1*s.*; 11 lbs., 1*s.* It will be seen that the last two pounds are to be charged only 1*d.*, and that the charge for the first pound will remain unaltered. The net effect of this reform will be that whereas the existing rates are 3*d.* for the first pound, and 1½*d.* for every additional pound up to and including eleven pounds, making a maximum charge of 1*s.* 6*d.*, the charge in future will be 1*d.* for every additional pound up to ten pounds, and if you throw in another pound, making eleven pounds, this will virtually be taken for nothing. The maximum will thus in future be 1*s.* instead of 1*s.* 6*d.*

When the Reforms will Begin.

The bulk of the reforms in our postal service—including those relating to the sample-post and the parcel-post—will come into operation on Jubilee Day. Those as to foreign and colonial postage must await the sanction of the Postal Congress, which sits at Washington this month. Those as to the more rapid and cheap delivery of letters and telegrams will, at least so far as the rural districts are concerned, come into operation gradually.

"Poor drugs bring poor results; poor results bring a poor reputation; and a poor reputation brings little money." This is the last sentence in a *Therapeutic Gazette* leading article. Could there be anything better for a druggist's advertisement?

The American who does not expose some gold when he smiles is the exception. There is said to be 20,000,000*l.* worth of dental gold in circulation in the United States. In fact, one can see more gold there in the teeth of the people than in dollars.

WEED DESTROYER

Will Chemists please note that we can supply an excellent article at 1/- per gallon, drums or casks extra, delivered free London?

THE SANITAS CO., LIMITED,
BETHNAL GREEN, LONDON,
DISINFECTANT MANUFACTURERS.

FRENCH ESSENCES
ESSENTIAL OILS
OTTO MUSK.
Warrick Brothers
7, Portpool Lane E.C.

IT . . . IS . . . BETTER To have Goods that Customers want than to have Goods that want Customers!

ALL YOUR CUSTOMERS WANT

KURE-YU

For HEADACHE, TIC, AND NEURALGIA.

And you want it also! Look at the Bonuses:—

5,000 Illustrated Handbills, name at foot, with 3 doz. 1/- orders.
5 000 Bills and Silver Watch with 6 doz. orders.

SHOP CLOCK with 1 Gross 1/- orders and 5,000 BILLS. Clock value £2.
20% saved by selling KURE-YU.

Write to-day for Terms and Picture of KURE YU Clock and 1/- Box Free,

BRIDGWATERS, LTD., WEST BROMWICH.

REDUCTION IN PRICE.

HORA'S Howards' Seidlitz Powder. English Tartaric Acid. Hand-weighed

P.B. SEIDLITZ POWDERS

PERFECTLY FOLDED
4/3 per Gross.

47 MINORIES, LONDON.

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All proprietary rights in Pepsalia have been acquired by **CEREBOS LIMITED**, who will in future manufacture it at their Works in Newcastle-on-Tyne. **As Pepsalia is being advertised**, it may with confidence be stocked.

CEREBOS LIMITED,
Newcastle-on-Tyne, and
London (3 Maiden Lane, E.C.).

G. S. MUMFORD
FARRINGDON ROAD, LONDON, E.C.

No. 1 Finest Pure CRUSHED LINSEED	16/ ✠ cwt.	Finest Pure STARCH POWDER	20/ ✠ cwt.
No. 2 Pure CRUSHED LINSEED	14/ ✠ cwt.	No. 1 Finest Light Pure PRECIPITATED CHALK	25/ ✠ cwt.
BEST CLEANED LINSEED	15/ ✠ cwt.	No. 2 Pure PRECIPITATED CHALK	21/ ✠ cwt.
No. 1 Finest Pure FULLER'S EARTH (Light Colour)	15/ ✠ cwt.	"WHITE EARTH" Specially prepared for Toilet purposes.	18/ ✠ cwt.
No. 2 Pure FULLER'S EARTH	13/ ✠ cwt.	Finest Pure TOILET OATMEAL, SPECIAL	/3 lb.
Pure LIQUORICE	/10 lb.	Best Pure ARROWROOT	/9 lb., in tins.

✠ CARRIAGE PAID to Railway Stations within 200 miles of London (or allowance made for distances beyond) on a total weight of 112 lbs. and upwards of above articles. Smaller parcels delivered free on rail London at above prices.

MELLIN'S FOOD

For INFANTS and INVALIDS.

"My reference last week to the elegant VIBRONA Easel which was shown me by MESSRS. FLETCHER, FLETCHER & CO. has called forth such a host of applications that Messrs. Fletcher inform me they cannot guarantee to supply copies free of charge after this week, the supply being limited."

THE PHARMACEUTICAL SOCIETY'S FINANCES

The annual report issued by the Council of the Pharmaceutical Society and the financial statement for the year 1896 are printed in this number, and should form the basis

of any discussion which may take place at the annual meeting of the Society to be held on the 19th of the present month. The first paragraph, and the one which the Society's friends will turn to with the keenest interest, is headed "Finance." The Council's lavish expenditure during the past ten years has tended to reduce the income, and to develop the expenditure of the Society to such a point that it has for some years been a subject of speculation whether the balance would come out on the one side or the other. This year there is an apparent profit on the year's transactions of 542*l.* 1*s.* 5*d.*, but it is hardly safe to take this as assured, inasmuch as the School of Pharmacy account may be somewhat misleading. The students' fees received amount to 1,367*l.* 2*s.*, and may be taken, we presume, as almost the total amount of the school income for the scholastic year 1896-97; while the payments on account of the school, amounting in all to 1,089*l.* 8*s.*, cover the necessarily higher expenditure under the new scheme for the last quarter of the year only. In 1895 there was, of course, no revenue, and the total of the year's expenditure amounted to 980*l.* But it is certain that the expenses of the school will be much greater in future than they were, and in the 1896 account we have, as we say, nearly the whole of the year's income and only about a fourth of the extra expense. It is probable, however, that the net cost of the school to the Society will be ultimately less than before the new scheme was adopted. In 1895 the financial statement showed a deficit of 3,745*l.* About 2,200*l.* of this was made up of exceptional expenses for repairs and building operations in London and Edinburgh. The improved appearance of the statement is considerably contributed to by an increased revenue of 919*l.* from the examinations, and by some reduction of the loss on the Society's *Journal*.

This last point is worth commenting upon, not on its own account so much as with regard to the opportunity it offers of testing the financial competence of the two members of Council who have spoken on the subject in advance. Dr. Symes, at the last meeting of the Council, said that taking the 1896 figures he found that the cost of the *Journal* per member and associate of the Society came out at about 8*s.* per head; this is a sum in arithmetic about which there ought to be no doubt whatever, and yet it appears that Dr. Symes cannot be relied upon to state the result accurately. In fairness to him it should be added that none of his colleagues corrected him. The report gives the balance of account against the *Journal* at 2,288*l.*, to which must be added the cost of postage of the *Journal*, 875*l.* That makes a total of 3,163*l.*, which divided by 5,670, which is about the present total strength of the Society, yields a cost of rather more than 11*s.* per head. Mr. Park, who also had the figures before him, told his Plymouth constituents that the *Journal* cost the members 4*s.* 4*d.* per head, and postage, which would make it 6*s.* 6*d.* Dr. Symes apparently forgot to reckon the postage, and Mr. Park evidently blundered in some other way. What we note is that both are ready to support an argument with figures which they have not taken the trouble to verify. Their confident statements were directed against the statistics which we have published, and they certainly misled some people into thinking that we had been rash in our statement regarding the financial condition of the Society.

We cannot pass away from this part of the subject without reminding the trade once again of our argument that the increased Minor fee is unwarranted, because the present revenue from that source is much in excess of the requirements of the Pharmacy Act. The financial statement for 1896 again justifies our assertion with striking emphasis. The examination revenue and expenditure are as follows:—

	£	s.	d.
Fees for the First, Minor, and Major examinations and registration ...	9,659	0	0
Examiners' fees and other incidental expenses	3,524	0	0
Balance	£6,135	0	0

The total expenditure under all other headings during the year amounted to 12,149*l.*, distributed as follows:—

	£	s.	d.
Annuities, meetings, &c.	492	0	0
Journal and postage thereof	3,163	0	0
School of Pharmacy and Research ...	1,471	0	0
Library and Museum	896	0	0
Calendar	78	0	0
Rent, salaries, and all other expenses whatsoever, exclusive of examination cost above stated	6,109	0	0
	£12,209	0	0

It will be seen that 6,100*l.* of this sum is absorbed by the first five items, which are solely for the benefit of the adherents of the Society, and do not include any charge whatever for house accommodation, clerical expenses, and other multifarious charges which they cannot get along without, but for which they are not debited in the above accounts with any charge. The contributions by the adherents of the Society and from other sources towards this expense are:—

	£	s.	d.
Subscriptions	4,854	0	0
Interest (less to bank interest)... ...	304	0	0
One-third of school fees paid in respect of 1896-97 session	442	0	0
	£5,600	0	0

The Society revenue, therefore, comes 500*l.* short of the 6,100*l.* required to pay for the exclusive expenditure upon the adherents, so that these members, &c., do not pay a single farthing of the 6,109*l.* expended throughout the year for rent, salaries, North British Branch, law expenses, register-keeping, Council members, &c.; the surplus of 6,135*l.* from the examination fees pays for that, and leaves 26*l.* over. In former years the greater part of such surpluses were invested (two-thirds of the total fees being ear-marked for registration purposes), and had that practice continued the Society would now have 50,000*l.* in securities, the revenue from which alone would maintain registration and protection for all time. The Pharmaceutical Council now spend the money as they get it, and, forgetting this, they think that examination candidates have not paid for registration.

The remainder of the report does not call for extended comments. The paragraph in regard to the by-laws does not discuss them, and the statements concerning the Council, the museum, and the library, are interesting but familiar. In the reconstitution of the School of Pharmacy the Council has done a good piece of work and with financial results which, as shown above, will probably compare favourably with those of the past order. The new arrangement is stated concisely in the report. The Council's efforts and liberality in the cause of provincial pharmaceutical education have been recorded in many a past report, and the birth of another "*ridiculus mus*," this time at Liverpool, is duly recorded. It is not altogether the fault of the Council that applications for aid have not been more numerous, though, perhaps, a number of them would be more embarrassing now than they would have been a few years ago. The Manchester Scholarship, it is reported, has at last found an incumbent, and the Burroughs' Scholarship hopes to get one this year. The legal information might have been given much more fully to advantage. It is not possible that, out of 400 cases of infringement of the Phar-

macy Act, only one was worthy of special mention. This is the special public work of the Pharmaceutical Society, and it is worthy of much more explicit reference. It is noteworthy that the Council have nothing whatever to say this year on parliamentary performances, and that there are no results to record from the Research Laboratory.

IODINE.

Few persons interested in the position of iodine can have been surprised when they heard that the price of the "crude" Syndicate article had been reduced on April 26 from 9*d.* to 7½*d.* per oz. Some astonishment was expressed, however, at the smallness of the reduction, for it was the general belief that when once the iodine ring broke down the price would come down with a certain amount of *éclat*, and not crumble away slowly in a half-hearted fashion. The fact that the leaders of the Iodine Syndicate have been able to stave off the inevitable, for the present, with a reduction that still leaves them an excellent profit on what they can sell, is a striking proof of the ability with which the Syndicate is managed, and of the stubbornness with which it defends a position that has long seemed untenable. But, although speculation on the future of iodine is notoriously hazardous, there are few who do not believe that the recent reduction is the prelude to a more drastic lowering of the price, if not to the downfall of the Syndicate. Purchasers should, therefore, be extremely wary. If the Syndicate goes to the wall and the iodine-market is thrown open to free competition, 3*d.* per oz. would probably represent the maximum quotation for a long time to come, inasmuch as huge stocks have accumulated, the production is altogether out of proportion to the requirements, the real cost of recovering iodine is an unknown quantity below 3*d.* per oz., and there is no reasonable prospect that a new industrial outlet will be discovered for the article sufficiently important to swallow up the quantity produced in excess of medicinal requirements. On the other hand, if the recent three-halfpenny reduction has the effect of driving the "outsiders" from the field, it will be impossible for the Syndicate to enforce a higher price than 9*d.* per oz. Dearer iodides are, therefore, a very remote possibility, cheaper ones a very probable contingency, and it is well that consumers should bear these facts in mind.

The Iodine Syndicate have been more than usually troubled of late with the arrival on the London market of parcels not controlled by them. It is true that these parcels are generally of considerably lower quality than the iodine offered by the Syndicate brokers, but that fact is, of course, considered in the price, which is based upon the percentage of pure resublimable iodine. During the past few years the Syndicate iodine has generally contained only a bare percentage of impurities, whereas the "outside" parcels often contain as much as 20 per cent. of foreign matter, and are therefore more troublesome and costly to resublime. Many of these "outside" parcels have been bought up by the Syndicate, and sent for resublimation to one of the iodide-manufacturers connected with that organisation. Nevertheless the competition of unsyndicated producers, and of iodide-manufacturers not bound to co-operate with the Chilian Iodine Syndicate, is becoming more acute every year. We called attention some months ago to the establishment of a new iodide-factory in Scotland. That factory is now ready to deliver all its products; but we understand that its agents are not anxious to make contracts at present, on account of the uncertainty of the market. Besides this Scotch factory, which only works iodine, but does not produce it, new iodine-works have lately been started in Norway and in Japan, and the number of free iodine-producers on the West Coast of South America is also increasing every year. Japan, which has until recently been the chief customer for European iodides, has begun to manufacture those preparations for herself from iodine recovered from the algæ that abound on her coasts. With her abundance of low-priced labour Japan will, in all probability, not only succeed ere long to free her home market from the foreign article, but she may begin to export iodine, and even iodine-preparations, to Europe and America. Small isolated consignments of such goods have, in fact, already made their appearance in the British market, and although for the moment our manufacturers have succeeded in stopping this supply, there is no saying when it may recommence. When the new Japanese industry began to assert itself about a year ago, the European makers made great efforts to crush it and keep the Japanese market to themselves by reducing their prices. The Japanese makers, however, proved too strong for them, and at the present time that once important outlet may be regarded as a lost market.

THE END OF THE SESSION.

Signs are not wanting that Pharmaceutical Associations in this country have finished their work for the Session 1896-97. It has been a good one on the whole. The Pharmaceutical Council does not appear to be too well satisfied with the Bloomsbury Square meetings, which have been rather scrappy, and from the branch in Edinburgh comes a distinct sigh for the poorest session as its record, thanks to the stroke of policy which changed the ancient meeting-night of Wednesday to Friday in order to save, as we presume, the expense of telegraphing, although we did not object to that. Fortunately there are other centres of pharmaceutical activity than Edinburgh and London, and in the session just closed we have to reckon with half a dozen more than last year. Mr. Glyn-Jones is responsible for this. He has been going about the country, like a second Jacob Bell, telling chemists what they should do to protect themselves, and he has invariably supplemented his arguments by getting local chemists to form themselves into an association where none was. In this way new bodies have been started at Stoke and Newcastle, several old ones have been revived in other towns, Oxford has just emulated Cambridge, and Forfarshire has clothed the bones of the old Dundee Association with an integument. While we give Mr. Glyn-Jones all the credit which he deserves as a renovator of old machinery and a designer of new tools, we are not so unselfish as to overlook the fact that we have helped to oil the machinery during the latter part of the session. It would have been miserably dull if we had not happened to punctuate the pharmaceutical by-laws with facts about the financial condition of the Pharmaceutical Society. Our criticisms have helped to bring out with striking emphasis the loyalty of the provincial adherents of the Society, for, with a few exceptions, those local associations who have discussed the by-laws have supported the Pharmaceutical Council as if they (the Associations) were local branches of the Society. This circumstance prejudices the impartiality of the local support which the Bloomsbury Council are so proud of, and the comparatively limited representation of the local trade at most of the meetings minimises the importance of the results. But the moral is obvious, and should be taken to heart by the trade generally. Wherever a chemists' association is formed the chemists of the town should see to it that a small coterie does not speak for them on matters of

vital interest. It is ridiculous that, in a town—say, Briskville—with twenty chemists in business, six or eight of them should resolve upon the opinion of Briskville and give it forth to the world. We cannot blame the six or eight, but we do the others of the score who are so invertebrate as to allow them. Coteries are impossible when every member of an association exercises his rights by speech or vote, and the more grit he shows in that direction the better is he respected. We need more grit in our local associations, and fewer windbags and persons who cannot vote either one way or the other. We mention these matters because they have been a striking feature of the past session. The volume of practical communications has been fair. A few associations have distinguished themselves in this direction—notably the two in Liverpool, and the Chemists' Assistants' Associations of London, Dublin, Birmingham, and Edinburgh. The West of Scotland Association is one of the most active provincial bodies, but is more noted for lively discussions than for contributions to pharmaceutical science; it and the Plymouth Association stand midway between the more serious Associations and those whose aim is to bind local members of the trade together in quiet meetings for mutual benefit. If all local associations were like those we have named, it would be a serious matter for the pharmaceutical press, because much of the life and reputation of Chemists' Associations is due to the publicity which is given to their proceedings. While the Winter Session lasts, at least an eighth of our space weekly is given up to reports of that kind, and it should not be difficult for the careful observer to notice the change in the character of our pages whenever the session is over. We appreciate as highly as any the value of the contributions made to local associations, but there is still room for greater attention to the practical details of pharmacy, to the record of personal experience (such as the admirable paper by Mr. Wyatt, which we published last week), and less need for essays on ambitious subjects for which writers are solely dependent on book information.

PHARMACEUTICALS NOT IN FAVOUR.

The blackballing committee attached to the Chemical Society last week issued to their supporters the usual graphed slip containing the names of those whom they wish to be blackballed at this week's meeting. As pharmaceutical candidates figure rather prominently on the list, it seems time that all metropolitan pharmaceutical Fellows should endeavour to defeat this persistent belittling of their calling by making a point of attending the ballot-night meetings and giving their support to such of their colleagues as merit it.

CHLORODYNE AND THE P.A.T.A.

The P.A.T.A. have scored a good success by getting Dr. Collis Browne's chlorodyne on their list. From the hour when this journal reaches the trade—that is, on Friday morning, May 7—this important medicine can no longer be sold at cut rates, except at the risk of the vendor being refused any further supply. The minimum retail prices fixed are 1*s.*, 2*s.* 6*d.*, 4*s.*, and 10*s.*, and the wholesale houses will charge for these respectively 9*s*, 23*s.* 6*d.*, 38*s.*, and 95*s.* per dozen. We congratulate Mr. Glyn-Jones on his success, and Mr. Davenport on his courage in thus considering the fair claims of the vendors of his speciality.

PHOSPHORUS FOR AUSTRALIA.

Shippers of phosphorus to Victoria should note that, in the opinion of the Chief Inspector of Explosives of that colony, the zinc drums at present in use are too thin to prevent leakage of the water, and that in consequence there is great risk from fire. Recently a fire was narrowly averted at Melbourne through the leakage of a drum. The Inspector thinks the drums should be thicker and painted outside with several coats of white paint. It is thought that the Victorian Customs may soon make drastic regulations regarding the landing and storing of phosphorus.

THE CURE THAT FAILED.

Dr. Koch's rinderpest "cure," it seems, is no cure after all. The doctor has gone back to Germany, after instructing a number of chemists and veterinary surgeons in the application of his specific, but he had scarcely left Africa, when it began to be said that his cure had failed to give the desired results in several instances. At present there seems to be no room for doubt that the Koch method is not trustworthy. In the Orange Free State, 800 cattle were recently inoculated by trained Government officials in strict accordance with Dr Koch's methods. Of this herd, 150 have already died, and 200 more are afflicted with acute rinderpest. Dr. Koch stated that the disease might appear in a mild form in the inoculated subject up to ten days after inoculation, but that after that time an inoculated animal would be absolutely immune against the plague. He even went so far as to guarantee this immunity in his report to the Cape Colony Government, but in the case of the Free State cattle above referred to the disease only showed itself after the expiration of the limit laid down by Dr. Koch. In various districts inoculation has been stopped, pending further inquiry. In Basutoland six cattle, specially picked, were inoculated by an expert. They were kept apart with the intention of afterwards turning them into a herd of uninoculated cattle to see if they remained immune. But three of the six have already died from plague.

THE WORKMEN'S COMPENSATION BILL.

The "Bill to amend the law with respect to compensation to workmen for accidental injuries suffered in the course of their employment," which was introduced in the House of Commons on Monday night by Sir M. White Ridley, the Home Secretary, is a short measure of five clauses which, if carried, will come into operation on January 1 next. The Bill affects all factories defined as such under the Factory Acts, and all warehouses to which the provisions of the Factory Act were extended in 1895, and is therefore of direct interest to practically all employers of labour in the drug and chemical trades. The Bill, like all modern measures of its kind, appears at first sight to be wholly disadvantageous to the employer, who is saddled with fresh responsibilities without any apparent immediate advantage. The employer will be held liable, under the Bill, to pay compensation for accidents if the workman is disabled from earning full wages for a period of at least two weeks. The limits within which compensation is to be given are defined in the Bill, which seems a better plan than to leave the parties to settle the amount by litigation. In cases of death where a workman leaves no dependents it is restricted to the reasonable expenses of medical attendance and burial, not exceeding 10*l.* If the deceased leaves dependents, the compensation is to be a sum equal to his earnings for the three years next preceding the inquiry, or a sum of 150*l.*, whichever is the larger amount, but the maximum in any case is 300*l.* Where a workman is disabled, he is to receive, after the second week of his disablement and until his recovery, a weekly payment not exceeding one-half of his weekly wage at the time of the accident, with a maximum of 1*l.* a week. Elaborate provision is made for cheap and quick arbitration in case of disputes. Where the injury is caused by the wilful and wrongful act of the employer, the Bill does not affect any previously existing civil or criminal liability on the part of the employer, but the employer shall not be liable to pay compensation independently of and also under the Bill. The measure is avowedly designed to pre-

vent accidents rather than to provide compensation, and it may have the effect of rendering certain negligent employers more careful, which will be to the direct advantage of their more scrupulous competitors. Those who are likely to reap the greatest advantage from the Bill are the insurance companies, who will probably promptly devise new schemes of insurance under it. At present the authorities seem much divided in their opinion of the burdens the Bill will throw upon the employers. Mr. Chamberlain thinks that in well-regulated factories the average cost of the measure to the employer will not be more than one per thousand of the aggregate wages. Sir Arthur Forwood, M.P., puts it at 1 per cent. The Bill has yet to run through almost all its Parliamentary stages, and it is therefore by no means certain that it will emerge (if at all) in its present shape.

TRADE WITH CANADA.

The new tariff proposals of the Canadian Government are now under discussion in Committee of the Canadian House of Commons. They have been sharply criticised in detail, but, as there appears to be a general feeling in favour of preferential trade with the mother country, and as the Government have a strong majority in Parliament, the Budget Bill (of which the tariff proposals form part) will probably pass into law substantially as it stands. Pending the final enactment of the Bill, the Canadian Customs have been instructed to allow a rebate of one-eighth of the ordinary Customs duty on such goods coming from the United Kingdom as are certified to be of British manufacture. A sworn declaration to the effect that the goods are made in Britain must be attached to the invoice. With regard to goods already on the way to Canada, the Customs officers will be allowed to exercise their discretion, and to interpret the new rule in a liberal sense.

The Canadian Customs tariff of 1894, which is to remain generally unaltered for the present, levies very heavy duties on drugs and chemicals. On spirituous toilet-preparations, if packed in bottles not exceeding 4 oz., the duty is 50 per cent. *ad valorem*, on larger bottles $2.12½ per gallon and 40 per cent. *ad valorem*. On common soaps it is 1c. per lb., on soap-powders 35 per cent., non-alcoholic perfumery 30 per cent., essential oils, 10 per cent., French pomades, 15 per cent., cod-liver oil 20 per cent. *ad valorem*. Photographic papers pay 30 per cent., crude opium $1 per lb., and powdered opium $1.35 per lb. All compounded and proprietary medicines are subject to a duty of 50 per cent. *ad valorem* if liquid, and of 25 per cent. if solid, but it is expressly provided that the preparations or drugs of the B.P., the United States Pharmacopœia, and the French Codex shall not be included in this list. This clause is very ambiguous, inasmuch as the preparations in question, are not expressly mentioned in the free list, and it is therefore doubtful what duty, if any, they must pay. The free list includes aniline dyes, bismuth, ammonia, soda, and potash salts, crude drugs if unground or unrefined, gums, medicinal and manufacturing quicksilver, quinine, sulphates of copper and iron, sulphur, and otto of rose.

Chemistry Drags on.

OUR Winter Session of 1896–97 is now a thing of the past, but the chemical bodies still go on to the end of the sixtieth year of the Queen's reign. The meeting of

The Chemical Society

last week (there is another going on while these pages are being printed) was unnaturally subdued and unprecedentedly short—it was all over by 8.45 P.M. The attendance was good on the whole, especially of those who have a personal interest in the presidency dispute. Upon that point Professor Dewar, who fills the chair as to the manner born, soon gave them satisfaction by stating that the Council had decided that there should be a recount of the votes; but he did not add that it was his own casting-vote which carried the day in favour of the Cassalite party. After this the Society proceeded quietly to scientific business. The first paper was on

Absolute Dryness Impossible.

the explosion of chlorine peroxide with carbonic oxide, by Professor H. B. Dixon and Mr. E. J. Russell, B.Sc. The oxidation of carbonic oxide, CO, into CO_2 is one of those reactions which some chemists think require the catalytic action of water, and the experiments were undertaken to see how that theory applies when two perfectly dry gases free from hydrogen in any form are brought together and exploded with the electric spark. In the result the freshly liberated oxygen was found not to oxidise the carbonic oxide completely, although it was in excess of the volume required. The President did not seem satisfied that hydrogen and water were wholly absent in this case, and remarked that it was easy to demonstrate by the ultra-violet spectrum of water whether that substance is present or not. Liveing and he, and Huggins simultaneously, had shown that hydrogen was easily detected by this means, while the recent investigations of Hartley had proved that the spectrum of carbonic oxide was continuous, but did not extend to the ultra-violet, so that water and hydrogen could be easily detected if present in carbonic oxide. The President added that hydrogen burned in liquid oxygen with the production of ozone, and that pure sulphur (which had been boiled) burned in liquid oxygen. Having explained the arrangement of apparatus for the ozone experiment, in which the apex is platinum upon which a blowpipe flame is impinged, Professor Dewar gave way to Professor Armstrong, who suggested that platinum itself might have something to do with the polymerisation of the oxygen. He added that not a single experiment had yet been made by Professor Dixon or others which precluded the action of water in bringing about chemical change.

Mr. Crookes said that it was almost impossible to get gases free from water even after prolonged drying over anhydrous sulphuric acid and phosphorus pentoxide. Nor could sulphur be freed from hydrogen or water by boiling. The President, being asked if liquid oxygen was free from water, replied that there were always microscopic spicules of ice in it. He agreed with Mr. Crookes that purified sulphur contained a trace of hydrogen, because he had used liquefied sulphur to make vacuum vessels, and had observed when a vacuum was broken that it smelt of sulphuretted hydrogen. He added many interesting things about low-temperature experiments, amongst them that liquefied carbonic oxide burns in dry air and that anhydrous sulphuric acid does not distil. He asked some of the young Fellows to determine the boiling-point of that acid at different pressures, as no such factors are recorded in books. Professor Dunstan then read a note by Mr. W. A. Caldecott,

Pyrites and Laughter.

B.A., a Rand chemist, on the decomposition of iron pyrites. It sounded a trifle elementary, and was essentially a contradiction of the text-book and Watts's Dictionary statement that ferrous sulphide is not found in moist iron pyrites. Mr. Caldecott has found plenty of it in mineral mud. The meeting seemed to take the note as a good joke, and laughed heartily. Whereupon Mr. Crookes explained that he had met Mr. Caldecott on the Rand, and had formed a high opinion of his abilities. He believed him to be a clever chemist. The meeting, therefore, took Professor Dunstan's synopsis of the last paper—on "Monochlordiparaconic Acid and Some Condensations," by H. C. Myers, Ph.D.—in a humble frame of mind.

Chemical Industry.

Leicester had a visit of the Nottingham Section of the Society of Chemical Industry on Wednesday evening last week, the Wyvern Hotel being the meeting-place. Mr. Carulla, Chairman of the Section, presided over a large attendance, which included many Leicester men. After a

The New President.

few words from the Chairman, in the course of which he congratulated Dr. Clowes on his nomination to the presidency of the Society for 1897–98—an honour which Dr. Clowes acknowledged as being done to the Section—Dr. J. J. Sudborough described

various attempts which he had made to prepare methylene CH_2, but it could not be obtained free, as the molecules coalesced to form C_2H_4. In the course of the discussion Dr. Clowes suggested that acetylene might probably yield methylene if properly attacked. Mr. S. J. Pentecost then read a paper on "The Removal of Mineral-oil Stains from Dyed Fabrics." He explained that, in the course of manufacture, stains are produced on textile fabrics, such as lace goods, owing to oil from the machinery falling upon them, which no amount of ordinary washing will remove. Even the strongest detergents are of no avail if the oils are not saponifiable, and occasionally stains which seem to be removed reappear on the fabric after long standing in the warehouse. Mr. Pentecost had no definite suggestion to make; but several hints were dropped by speakers, and in reply to them he said that solvents such as benzene were out of the question, on account of cost. This, indeed, was at the foundation of the whole difficulty, for if saponifiable oils were employed as lubricants the stains might be removed with tolerable certainty. Competition was so keen that only the least expensive materials could be employed.

CH_2 and C_2H_4.

Removing Oil-stains.

Mr. F. S. Burford, F.C.S., then explained the construction and uses of the oleo-refractometer, by means of which a busy analyst may in a short time select from a batch of samples "those deserving of more careful attention."

The London Section of this Society met on Monday evening. The programme was arranged for the members connected with the candle and electric-light industries, and there was little pharmaceutical in the proceedings.

Novelties.

OUR QUEEN'S BOUQUET.

MESSRS. T. F. BRISTOW & CO., perfumery and soap manufacturers, Clerkenwell, E.C., have signalised the advent of the Diamond Jubilee by producing a perfume and toilet-soap

which recall to us the perfumes that were in vogue when the Queen came to the throne, and yet have about them the local colouring necessary for Diamond Jubilee goods. The bouquet is put up in 1*s.* 6*d.*, 2*s.* 6*d.*, and 5*s.* bottles. Our illustration shows a box of the 1*s.* 6*d.* bottles, but each 2*s.* 6*d.* and 5*s.* bottle is put in a box by itself. The bottles are elegant ovals, labelled with the Union Jack and Queen's head medallion in the centre, and silk ribbon in red, white, and blue secures the stopper. The national colours make a leading feature of the perfume. The box is of royal scarlet morocco paper, edged with gold and lined with pale-blue crocodile-skin paper, the printing being in gold. It is an altogether elegant get-up, apart from which the perfume is well worth the money; yet Messrs. Bristow will give every purchaser of a gross of the perfume a splendid window-display consisting of a bust of the Queen, and red, white, and blue flowers and moss sufficient to last much longer than the perfume is likely to stay in the shop—although *it is* a lasting one. "Our Queen's bouquet soap" is, we understand, an elegant article also; but the finishing touches are being given to it while we write this note, so we cannot speak from actual examination, as in the case of the perfume. The two things together should go well this summer.

DIAMOND JUBILEE BOUQUET.

MESSRS. LORIMER & CO., Britannia Row, N., have brought out a good popular perfume under this name, and put up in bottles shaped like a Garter star. The engraving scarcely

does the bottle justice, the lines being a trifle too hard. The portrait of the Queen is a gilt medallion. We fancy that this will be a popular article; it is good value for the money and the odour is pleasing indeed. The bottle is about 2 oz. in capacity.

ADEPS "MOURINE."

THIS peculiar name has been applied by Messrs. Armour & Co., 59 Tooley Street, S.E., to a lard substitute, which is made from the fat of the pig, but does not pretend to be pure lard. It is a snow-white granular fat, almost devoid of odour, which begins to melt a little below 90° F., and is completely liquid at 105° F. It is stated to be not readily liable to become rancid, and to answer all the B.P. tests, except the melting-point. The product is much cheaper than lard, we understand, and there seems no doubt that it is well adapted for making non-official preparations, such as skin-creams, pomades, and certain ointments, such, in fact, as those for which recipes are given in the new edition of "Armour's Formulary." For medicinal ointments the wide range between the initial and final melting-points indicates the necessity for admixture with other fats, but such admixture will not be required if the ointments are prepared by the cold method. Adeps "Mourine" is an interesting preparation, and we think that practical pharmacists will do well to give it a trial.

MRS. MALAPROP CAUGHT A CHILL; so she "just took hot drink, then had herself covered up among blankets and expired."

Trade Notes.

Star of India Perfume, and other perfumes suitable for Jubilee trade, are put up by Messrs. Moise & Marshall (Limited) in elegant star-shaped bottles with silvered crown sprinklers. They seem to be a good line, and buyers will find more about them in the firm's advertisement.

Messrs. Huntley & Palmers, the Reading biscuit-manufacturers, have presented to the Royal Berkshire Hospital a gift of 7,000*l.*, in order to endow a special ward; and, in addition to contributing towards the festivities of the town of Reading on the Jubilee Day, they intend to give the amount of the day's pay to their 5,000 employés.

Messrs. Goodall, Backhouse & Co., of Leeds, send us a new price-list of their packed goods, including a large variety of medicines, herbs, and domestic articles. The special feature of this list is that it is illustrated by representations of the goods in their proper colours, done by the "Three-colour process blocks." A copy will be sent to any chemist post-free.

Messrs. Evans, Lescher & Webb, 60 Bartholomew Close, E.C., have recently issued a "revised and enlarged list" of their coated tasteless pills. This is a branch of pharmacy to which they have given special attention for many years, and with an increasing demand they have found it necessary to erect new premises and lay down improved machinery to relieve the pressure. The list is well printed and at the end are quotations for gelatine capsules, pessaries, suppositories, and bougies.

The Sandell Exhibition.—Owing to the premises of the Sandell Works Company (Limited), South Norwood, being required for an extension of the factory, the unique exhibition now open there must close on May 15. We strongly advise all photographic chemists within the metropolitan area, or who may be in London before that time, to make a point of seeing it. Particulars as to how to get there are given in the company's advertisement this week, and it will also be seen that Mr. Sandell is to give demonstrations of the working of his plates at stated hours.

After examining the German bottles sent from South Australia, and now on exhibition with other goods at the London Chamber of Commerce, Messrs. Kilner Brothers report:—"We find that the absence of prices is a serious drawback, and there is very little to say about them until we know what they are charged laid down in the colonies. They range from moderate to very good in quality, but all could be supplied from England without difficulty excepting the 'kali,' and that is a 'turned' bottle. This process of 'turning' is not used much in this country, especially for these goods."

Legal Reports.

THE PHARMACY ACT.

More Glasgow Prosecutions.

In the Glasgow Sheriff Court on April 30 several unregistered druggists were brought before Sheriff Fyfe charged, at the instance of Mr. Richard Bremridge, Registrar of the Pharmaceutical Society, with contraventions of the Pharmacy Act. Mr. James Barrie, writer, Glasgow, conducted the prosecutions on behalf of the Society.

"Setting the Act at Defiance."

William Forrester, assistant (unregistered) in the drug-shop of Dr. Robertson, 443 Eglinton Street, was accused of having, on November 21, sold some laudanum. He pleaded guilty, and Mr. Barrie stated that they had had prosecutions against assistants in this shop before. In April, 1892, an assistant named Smith was tried by the late Sheriff Birnie, who inflicted fines of 5*l.* and 2*l.* 10*s.*, with 3*l.* expenses. Smith's sister was charged on the same day with selling poisons in the same shop. Evidently these prosecutions had not acted as a deterrent.

In reply to the Sheriff, respondent said he had nothing to say.

Mr. Barrie said the fact that two former assistants were charged with similar offences went to show that they intended to set the Act at defiance.

The Sheriff: Can you not get at the doctor who owns the shop?

Mr. Barrie: We cannot. Some doctors pay the fines imposed, but I am informed that the majority do not.

The Sheriff said he would impose a fine of 20*s.*, with 40*s.* of expenses.

"Cum Grano Salis."

The next brought up was John Campbell, unregistered assistant in the drug-shop of Dr. Dunning at 75 Nelson Street, who was charged with having sold laudanum on November 28, also morphine as an ingredient in a bottle of Powell's balsam of aniseed. He pleaded not guilty, and

Mr. Gemmel, writer, who defended, complained that the purchases were made on November 28, and it was not until a week ago that notice was given to the respondent.

The Sheriff: That should rather be urged in mitigation of sentence. It has nothing to do with the relevancy.

Mr. Gemmel: I wish to draw your attention to a case in which a London judge refused to convict because the complaint was brought a month after the alleged offence was committed and without notice having been given.

The Sheriff: I think the cases are different. The Society has six months in which to bring a complaint.

Evidence having been given for the prosecution,

John Steel, another assistant in Dr. Dunning's shop, was examined for the defence. He said they never sold poisons unless the doctor was present.

Mr. Barrie asked this witness if he was an unqualified assistant.

The Sheriff: "Unregistered" is the word, Mr. Barrie. None of them will admit that he is unqualified. (Laughter.)

Witness said there were two unregistered assistants in the shop. The doctor was not in the shop except during consulting-hours.

Mr. Barrie: If anyone comes in for Powell's balsam during the doctor's absence, do you always wait until he comes?—Yes.

But you have sold although the doctor was absent?

Mr. Gemmel: I object.

The Sheriff: You have opened the door to it. (To Witness): What do you do when the doctor is not in?—Simply refuse them.

Mr. Gemmel, in addressing the Court, said his client had no recollection of having seen the men who had given evidence as to the alleged purchases, and the point he wished to emphasise was that his client was utterly in the power of these men.

The Sheriff: Do you wish us to take it that if a request is made for such a common thing as Powell's balsam, it will not be sold unless the doctor is there?

Mr. Gemmel: That is so.

The Sheriff: I am afraid that is not true. We will require a good deal more evidence than we have had.

Mr. Barrie: The doctor is not produced in support of that.

The Sheriff: I should have liked to have asked the doctor, had he been here, what instructions he gives regarding the sale of poisons? Suppose, while the doctor was in the back shop, a request were made for a bottle of aniseed, would you think, Mr. Gemmel, it was complying with the Act if he simply popped out his head and said, "That is all right"?

Mr. Gemmel said he did not know. He contended, however, that although there were two sales, there was only one offence.

The Sheriff: Suppose a man goes into a shop and buys a dozen different bottles of medicine, in all of which, however, there is morphine, would you say that was one offence?

Mr. Gemmel: Provided the same poison is in them all.

The Sheriff: But if the purchases consisted of Powell's and some other body's balsam?

Mr. Gemmel: Yes. If all the balsams contain the same kind of poison, I argue that it is only one sale.

Sheriff Fyfe, in giving judgment, said: I quite see that it is very unfortunate that you should be prosecuted, but then the doctor cannot be got at, because you are the man who makes the sale. I have said here before, and I do not mind

saying it again, that I am very little impressed by the way in which these cases are brought, and especially the way in which the purchases are made. I think it would be more reasonable and much fairer if the respondents in cases of that sort were treated as people are treated who sell, for instance, adulterated or deficient milk. The officers, after making the purchase, declare themselves and indicate their intentions. It is unfair that, after a lapse of five or six months, a man should be expected to lead evidence regarding the sale of a pennyworth of laudanum. However, I cannot give you the benefit of that, because the Act says that it is sufficient if the prosecution is brought within six months. I hope your fine will be paid by the doctor. I can hardly think that doctors allow their assistants to be personally responsible for these offences. I shall impose a fine of 10*s*. for each offence, with 2*l*. of expenses—3*l*. in all.

A Wrong Name.

"John Hendry," 383 Cumberland Street, was next called. No response having been given, Mr. Barrie asked that they should proceed under the Summary Procedure Act, and prove the case in the respondent's absence.

A sheriff officer stepped into the witness-box and proved citation. He stated that he saw the lad in court upon whom he had served the summons.

Mr. Gemmel, the agent who had appeared in the last case, hereupon came forward and stated that the name of the lad indicated was not "John Hendry" but "Alexander Wilson Hendry."

Mr. Barrie remarked that that being so, he would withdraw the complaint.

Warrant for Arrest Granted.

Minnie Beattie, assistant in the employment of Dr. Macdonald at 282 Cumberland Street, was next called, and she also failed to answer to her name.

Mr. Barrie said this case also exemplified the difficulty encountered in getting names. The doctor also refused to give the name to the officers, and it was with the greatest difficulty that they even found out that the girl's name was Minnie. It was even a worse case than the last.

The Sheriff: There is possibly some mistake. What do you propose doing? You could get another date, and order intimation to the respondent with a notice to the effect that in the event of her not presenting herself next day you will move for a warrant for her apprehension.

Mr. Barrie: I would not like to go that length right off. If your Lordship will give us another date she will perhaps attend of her own accord. If not, I shall then move for a warrant to apprehend.

The Sheriff ultimately fixed another date for the hearing of the case, and a warrant for respondent's arrest was granted.

SALE OF FOOD AND DRUGS ACT.

Acetic Acid as Vinegar.

The Cardiff Stipendiary on Tuesday heard a series of summonses against eight grocers for selling acetic acid as vinegar. In the first case against Mr. George Brown, Mr. Vachell, who defended, admitted that unless the acetic acid was specifically sold as distilled wood-vinegar, the seller was liable to conviction, but urged that in the present case not only were labels hanging about the shop stating that none but distilled wood-vinegar was sold, but that when the inspector bought the vinegar, defendant's wife offered to affix a label to the bottle declaring the nature of the liquid, but that he told her there was no necessity to do that. Mr. Harris, who prosecuted, said the inspector declared that this was false. He submitted it was illegal to sell the article as vinegar, whether called distilled wood-vinegar or not, and quoted a decision of the Birmingham Recorder, that vinegar and a preparation of acetic acid and water were not one and the same thing. The Stipendiary, however, ruled against him on this point, declaring that a person could sell distilled wood-vinegar as such, as long as the customer was not deceived. After the inspector and the defendant's wife had been examined, the Stipendiary said the evidence was so conflicting as to the display of the distilled wood-vinegar labels, that he could not convict, and the summons would be dismissed. In the other cases there was no proof that the inspector's attention was called to the exhibition of a label declaring the nature of the vinegar sold, and three defendants were fined 3*l*. each; one 2*l*; and two 20*s*. each, together with the costs. In the case of a summons against a man named Robert Wills, it was admitted that a card was displayed in the shop to the effect that none but distilled wood-vinegar was sold, and the summons was withdrawn.

COUNTY COURT CASES.

A Chemist's Furniture.

At the Tunbridge Wells County Court on April 30, Mr. G. L. Chabot, chemist and druggist, sought to recover 44*l*. 7*s*. 4*d*. from Mr. F. G. Reeve, a furniture warehouseman. The plaintiff stated that after disposing of his business in Tunbridge Wells he arranged with the defendant to warehouse and subsequently to sell his furniture by auction. The sale realised 62*l*. 7*s*., and the defendant claimed this and 6*l*. 12*s*. more for expenses. There was a dispute as to reserves on some of the goods, but eventually Judge Emden found for the defendant on the claim and counter-claim.

A Sponge-transaction.

In the City of London Court on April 30, before Mr. Commissioner Kerr, Mr. John Goldhill, sponge-merchant, 17 Houndsditch, E.C., sought to recover 5*l*. 6*s*. for sponges supplied to Mr. John J. Butler, George Street, Hastings. The defendant said he asked the plaintiff if he had any sponges at 15*s*. The plaintiff laughed at him and showed him some at 24*s*. It was agreed that the plaintiff was not to send the sponges until he received a cheque. The defendant said he did not send because he found the sponges would not suit his customer. The plaintiff sent the sponges, however. The plaintiff disputed this version of the transaction, and Mr Commissioner Kerr said he would give the defendant an opportunity of having the case tried by a jury, if he took the necessary steps within three days. If not, there would be judgment for the plaintiff for the sum claimed.

THE INCORPORATED ASSOCIATION OF HER MAJESTY'S WARRANT HOLDERS (LIMITED).

Mr. Justice North on May 1 sanctioned an alteration in the memorandum of association of this association, which had been duly resolved on. The object of the association is to protect the interests of holders of her Majesty's warrants. The alteration effected was the extension of the protection to the holders of warrants of the Prince of Wales and other members of the Royal Family. It is intended to change the name of the association to the Incorporated Association of Her Majesty's and Other Royal Warrant Holders (Limited).

NAPOLEON PRICE & CO. (LIMITED).

In the Chancery Division of the High Court on Saturday, Mr. Justice North had before him the case of Emmanuel *v*. Napoleon Price & Co. (Limited), soap-makers and perfumers, which came on by consent on a motion for judgment, there having been default in the payment of the debenture interest. A receiver and manager had already been appointed by his Lordship, who now made the usual order.

LIEBIG'S EXTRACT OF MEAT COMPANY *v*. BOVRIL COMPANY.

An action between these two famous companies was fought at Antwerp in March before the Tribunal of Commerce of that city. The trial occupied three days and judgment was given on Saturday last.

The Liebig Company claimed an injunction against the Bovril Company to restrain the latter from using in its advertisements or prospectuses statements concerning the Liebig products, such as "Bovril is fifty times more nourishing than Liebig," or that "Bovril contains fifty times the nutritive properties of Liebig's extracts or similar preparations." The Liebig Company claimed 50,000f. damages. The discussion was principally carried on between the advocates of the two companies. The Liebig representative

produced a large number of analyses recently made by eminent Belgian chemists, stating the superiority of Liebig's extract in nutritive property; while the Bovril advocate insisted that it had been recognised for many years that extracts of meat, as hitherto made, did not contain albumen, and that if the Liebig Company's extract did contain it, they must have changed their method of manufacture. The tribunal, in its judgment, ordered the Bovril Company to discontinue within forty-eight hours all advertisements, labels, and prospectuses injurious to the Liebig products, and condemned the Bovril Company and its agent, M. de Proost, to pay 10,000f. damages, and authorised the Liebig Company to publish the judgment in ten Belgian journals, at a cost of 5,000f., to be recovered from the Bovril Company.

THE APOTHECARIES ACT.

Action against a Sheffield Pharmaceutical Chemist.

At the Sheffield County Court, on Wednesday, George Ellinor, chemist, of 127 Spital Hill, Sheffield, appeared to answer a summons taken out at the instance of the Master, Wardens, and Society of the Art and Mystery of Apothecaries. The action was brought to recover 20*l.*, and it was alleged that defendant, on April 20, 1896, and July 14, 1896, and subsequent to that date, not being qualified under the Apothecaries Act of 1815, did act and practise as an apothecary in Sheffield by attending and advising and furnishing and supplying medicines to various persons. Mr. Alexander appeared on behalf of the Apothecaries Society, and Mr. Arthur Neal for the defence.

Mr. Alexander, in opening his case, said he had before him a number of law reports bearing on cases of the character of the one before them, but the only one he at present proposed to refer to was that in which Justice Cresswell gave a judgment in which he defined a chemist as one who sold medicines which were asked for, and an apothecary as one who himself selected the medicines and determined what to give. In this case defendant was a duly-qualified chemist, and also held some qualification in midwifery; but he was not registered. He had, however, been carrying on the business of an apothecary. He had visited patients at their own homes, had diagnosed their diseases, prescribed drugs as remedies, and had supplied these drugs. These facts, he submitted, constituted a breach of the law, and entitled him to claim the penalty. It was not enough, he admitted, to show that this had been done on one occasion. Every chemist was occasionally asked to prescribe medicines in simple diseases, and of such action the Apothecaries' Society would not take notice; but in a case such as that now before the Court, where it was the habitual practice of a man to go about prescribing, they were bound to take action. He proposed to take four such cases. The defendant in April last attended Mr. Meggitt at his own house for a severe cold, and the witness would produce a bill for attendance amounting to upwards of 1*l.* The next case was that of a Mrs. Hirst, whom Mr. Ellinor attended at her own house in July, and whom he told she was suffering from "stoppage of the liver" and sore throat. Her daughter afterwards went to the defendant's shop and procured some medicine, for which she paid 1*s.* 6*d.* In the third case a Mrs. Guest was attended by the defendant in August, 1896, at her own house, and he informed her that she was suffering from congestion of the kidneys. Her daughter went to the shop, and paid 1*s.* 6*d.* for medicine and attendance. The fourth case, and perhaps the most important of them all, was that of a man named Packard.

Mr. Neal, interposing, objected to Packard being introduced into the case. His name did not appear in the particulars, and he had received no notice of this man.

Mr. Alexander replied that the people named would only be called to prove a particular practice. It was true Packard was not named in the particulars, but he was included in the "divers other persons."

His Honour asked what object there was in giving the names of Meggitt, Hirst, and Guest in the particulars?

Mr. Alexander said it was for the purpose of furnishing the defendant with some information of the charges he had to meet.

His Honour: If you gave information with regard to these three, why did you withhold Packard's name?

Mr. Alexander replied that it was because information with regard to Packard's case came to their knowledge only about ten days ago.

His Honour: How long is it since you told Mr. Neal of this case?

Mr. Neal: I have not been told at all.

Mr. Alexander: We did not think it necessary to furnish Mr. Neal with any further information than that contained in these particulars.

His Honour: If you did not think it necessary to give him information, I submit to you that it is not of sufficient importance to go into it.

Mr. Alexander: I submit that the word "divers" covers all. Strictly speaking, he argued, they were not bound to give notice, although they had done so *ex gratia.*

His Honour: I have pressed you to say whether you think this concealment was right, but you do not choose to answer me. I now absolve you from answering.

Mr. Alexander thereupon went on to explain Packard's case, when

His Honour asked, Do you really intend to go into that case?

Mr. Alexander: I do, your Honour, with all respect and submission.

His Honour: Then all I can say is you are instructed by a great company, and you are deliberately now going to endeavour to hit this gentleman with a case which this company, guided during the whole time by competent legal authority, has had in its pocket for ten days, and has carefully withheld. I can only say I am very sorry.

Mr. Alexander: After that expression of opinion from your Honour I will not go into Packard's case.

His Honour: I am quite sure it ought not to be done. There are some people who regard these Acts, both with respect to medicine and dentists and chemists, with a certain degree of resentment. I think these Acts are amongst the most useful we have on the Statute Book. They legitimately and properly, amongst uneducated and unscrupulous men, prevent them from playing with the health and life and happiness of her Majesty's lieges. Any Act which does that is a most beneficial and salutary Act, and one which I will do all I can to support. On the other hand, it becomes all the more desirable, from every point of view in these cases, that they should carry not only the profession, but the public, thoroughly with them, and should deal with such matters in that spirit of dignified justice which belongs naturally to such a society as that which they represent.

Mr. Alexander replied that that was exactly the spirit in which they wished to approach this case. He assured the Court that the Society did not bring this action in any spirit of vindictiveness, but as a matter of public duty. In addition to the three witnesses already named, he intended to call Dr. Rhodes, a medical man and secretary of the Sheffield branch of the Medical Defence Union; and he would tell the Court that these cases of so-called stoppage of the liver, congestion of the kidneys, and so forth, were purely and simply medical cases.

Mr. Meggitt, butcher, 50 Barnsley Road, who explained that he attended on subpœna, said that during the last twelve months Mr. Ellinor had attended both him and his family, but he could not fix the dates. He produced the last bill he received from Mr. Ellinor, which contained numerous items for attendance, medicine, &c. His regular attendant was Dr. Dyson, and it was only for slight ailments that he sent for the defendant. He could not tell which of the items in the bill were for medicines prescribed for by Dr. Dyson, but he certainly did get some medicine from the defendant, he having selected it, prescribed it, and it came from his shop. The defendant perhaps attended him three times in the last twelve months, and on each occasion he said witness was suffering from cold.

Mr. Alexander: Did he send you any medicine?

Mr. Neal objected to this leading question.

His Honour: What took place between you?

The Witness: I recovered. (Laughter.)

His Honour: My dear friend, you must not come here and advertise this man. (Renewed laughter.)

Mr. Alexander: Did you recover in spite of the medicine?

The Witness: No, I think not.

In reply to Mr. Neal the witness said he was not prepared to point out any item in the bill produced and say that Mr. Ellinor prescribed that medicine and dispensed it. He had fetched no medicine from the defendant's shop, nor had he seen the defendant deliver any medicine at his house. Mr. Ellinor was an old friend of his and often visited his house unprofessionally, and if when he was there either he or any member of his family had a cold or anything of that kind, they generally asked him to prescribe, and he did so. When there was anything serious the matter they always sent for Dr. Dyson. He knew perfectly well that Mr. Ellinor was not a registered practitioner.

By Mr. Alexander: He only knew that the medicine came from Mr. Ellinor's shop, but by what means it reached his house he could not say.

Mrs. Hirst, wife of Alfred Hirst, joiner, Spital Hill, was next called, and said in July last she was very ill, and Mr. Ellinor was sent for to her house. He examined her, as she was suffering very much from quinsies. Her throat was very bad, and the complaints following on this often brought her very weak and low. He did not say what was the matter with her, because she knew quite well. She afterwards took some medicine which came from defendant's shop, but who obtained it she could not tell. The defendant came to see her several times.

Mr. Alexander sought to press the witness to be more definite as to what the defendant said to her and as to how she obtained the medicine, when Mr. Neal objected, and urged that the learned counsel must not assume the attitude that his own witness was hostile.

Mr. Alexander retorted that Mrs. Hirst was also an unwilling witness, and he must put questions to show her unwillingness before he could ask his Honour to treat her as hostile.

His Honour said before Mr. Alexander could cross-examine he must have more than an unwilling, he must have a hostile witness, and that hostility must be manifested to the satisfaction of the presiding Judge. Because a witness did not care about the job of giving evidence, that did not make her hostile.

The witness further said she did not take the trouble to inquire where the medicine came from, as she was too ill. She supposed it came from the shop of Mr. Ellinor; but it did her good, and that was all she cared about.

In answer to Mr. Neal, witness said she saw Mr. Ellinor, and afterwards she had some physic given to her. She took it, and it cured her. She had known Mr. Ellinor twenty years, and knew perfectly well that he was not a registered medical practitioner.

His Honour remarked that the question was not whether Mr. Ellinor was a competent man. That would not affect the issue.

In answer to further questions by Mr. Neal, witness said she considered she owed her life to Mr. Ellinor, and she would go to him whether he charged her or not.

Anna Maria Hirst, daughter of the last witness, said she remembered her mother being ill in July last, and Mr. Ellinor attending her. She had brought medicine from defendant's shop, but could not remember when. She had no idea whether she had done so within the past year.

Mr. Alexander: Is it you can't or you won't?

Mr. Neal: That is not only irregular but ungallant.

Mr. Alexander: Untruthfulness has to be met with ungallantry.

The Witness (warmly): I have sworn to speak the truth, if you please.

His Honour: Mr. Alexander, I cannot allow that. You first call a young lady as witness, and then because she does not remember, you suggest she does not speak the truth.

Mr. Alexander: I am going to prove she has made an inconsistent statement.

His Honour: Oh no you won't. Not until I am convinced this young lady is hostile, and at present I do not see it. There is no indication of untruthfulness.

Mr. Alexander: Supposing a witness has made one statement to a solicitor, upon which proof she is called, and after she gets into the box flatly denies that statement, is not her evidence hostile?

His Honour: Then I should be very much inclined to inquire whether the gentleman who had taken her proof was to be trusted

The witness, further examined, said she had brought medicine from Mr. Ellinor's shop to her mother, but when it was she was quite unable to say.

By Mr. Neal: She supposed the bottles coming to her mother were from Mr. Ellinor's, as they had his labels on.

Mrs. Guest, wife of a furnaceman, of Sorby Street, said in August last, when taken ill, she sent for the defendant, who asked her a lot of questions, but did not examine her. He told her she was suffering from congestion of the kidneys and cold on the kidneys and on the loins. He prescribed certain medicines, which he afterwards sent up from his shop. Her daughter Florrie went for it, and paid 1*s.* 6*d.* The medicine did her no good, and she sent for Dr. Hill. The defendant only attended her once.

In answer to Mr. Neal, she said she was pregnant at the time, but that was not the cause of her illness. She was not afraid of a miscarriage, and it was not on that account she sent for the defendant. Dr. Hill was not their club doctor when they sent for him, and they had to pay him. Dr. Hill did not question her about Ellinor. She told him she had had a bottle from the defendant, and he simply asked what she paid for it, and she told him 1*s.* 6*d.*

Florence Guest, the daughter, was called, and proved fetching the medicine from the shop of the defendant, as stated by her mother.

Dr. Hugh Rhodes, district secretary of the Medical Defence Union, said he had heard the evidence of the symptoms of the various witnesses. The cases were all what might be termed purely medical.

By Mr. Neal: So far as he knew, the case was not brought forward by the Medical Defence Union. He should think it was probably started by a few local medical men, but he did not know.

This was the case for the Society, and, it being after six o'clock, the hearing was adjourned until the following day.

When the hearing of the case was resumed on Thursday morning, Mr. Neal went through the evidence to show that there was no proof that the defendant had supplied medicine as alleged, and that, holding an American degree, he considered he was entitled to act as he had done. Mr. Ellinor was called, and readily admitted that he had a consulting-room at his shop, and that he had received patients in it, prescribed for them, and supplied them with medicine. This he had done for more than twenty years.

The Judge said after these frank admissions he had no alternative but to impose the penalty sought for.

Bankruptcies and Failures.

Re John Hart, late of 40 Wilson Street, Finsbury, trading as the Hygienic Disinfecting Fluid Company.

The public examination of this bankrupt was held last week at the London Bankruptcy Court, before Mr. Registrar Hope, the accounts showing gross liabilities 2,309*l.* 10*s.* (unsecured 2,234*l.* 10*s.*), and assets 656*l.* 2*s.* 8*d.*

Replying to Mr. Brougham, Official Receiver, the bankrupt said he had since August, 1892, carried on business as a money-lender, originally at 6 York Buildings, John Street, Adelphi. In August, 1895, in satisfaction of a debt of 60*l.* or 70*l.*, he took over a disinfecting-fluid business then carried on at Chiswell House. He subsequently removed to 40 Wilson Street, where he also took the money-lending branch. In October, 1896, the landlord distrained for two quarters' rent, and both his businesses were abandoned. He attributed his failure to having paid too heavy a rate of interest on the capital that he borrowed for the money-lending business, to bad debts, and to disturbance by his sister-in-law, in consequence of which the landlord levied the distraint. The examination was concluded.

Re Charles E. Dungate, South Bank, Druggist.

This debtor, whose liabilities amount to 342*l.* 0*s.* 4*d.*, with assets valued at 21*l.* 1*s.* 7*d.*, came up for his public examination at the Tees Side Bankruptcy Court on April 28. The examination was concluded.

Re Samuel Wilson, 145 Peasley Cross Lane, late 71 Duke Street, St. Helens, Lancs., Chemist and Druggist.

In this case accounts have been filed showing liabilities to unsecured creditors 218*l.* 8*s.* 3*d.*, and assets 42*l.* 9*s.*, less 16*l.* 2*s.* 4*d.* for preferential claims. The following are scheduled as creditors:—

	£	s.	d.
Brumwell Herbert, Sutton, St. Helens ...	56	6	10
Wilson, John, Abergavenny	72	0	0

Deed of Arrangement.

Graham, William McAdam, 4 Tipping Street, and Hyde Road, Ardwick, Manchester, veterinary surgeon. Dated, April 23; filed, April 29. Liabilities unsecured, 226*l.* 3*s.* 2*d.*; estimated net assets, 64*l.* Composition of 5*s.* in the pound payable by two equal instalments at fourteen days and six months respectively, from registration hereof. The last payment secured by a surety. The following are scheduled as creditors:—

	£	s.	d.
Bolton, G. & Co., Manchester	16	0	0
Deakin, Manchester	28	0	0
Faint, W., Manchester	16	0	0
Hall & Pickles, Manchester	47	0	0
Haslam, J., Manchester	10	0	0
Kidd, J. & Sons, Manchester	19	0	0
Lewty Bros., Manchester	18	0	0
Sankey, E. W., Warrington	35	0	0
Wilkinson, E. & Sons, Manchester	12	0	0

New Companies and Company News.

Speakmans (Limited).—Capital 1,000*l.*, in 1*l.* shares, to take over the business carried on by Joseph J. Speakman and Mary J. Speakman under the style of "Speakman Brothers," at 7 High Street, Runcorn, Cheshire, and to carry on the business of drysalters, oilmen, chemists and druggists. Registered without articles of association.

Zomela (Limited).—Capital 10,000*l.*, in 1*l.* shares. To take over the business of manufacturing chemists, perfumers, and manufacturers of "Zomela" preparations for the hair, carried on by William Jones, William M. Jones, and Harry B. Parish at Handsworth, Staffs, as "The Zomela Company." The managing directors are H. B. Parish, 47 Linwood Road, Handsworth, publisher, and William M. Jones, 131 Villa Road, Handsworth, chemist. Registered office, 71 Colmore Row, Birmingham.

Ison's Eye and Ear Dispensary (Limited).—Capital 400*l.*, in 1*l.* shares. To take over the business of an oculist and aurist, carried on by Thomas Ison, at 71 Great George Street, Leeds, as "Ison's Eye and Ear Dispensary," and to carry on in addition the business of chemists, druggists, medicine-vendors, and dealers in scientific instruments. Thomas Ison takes 394 shares, and none of the other subscribers are connected with the trade. Thomas Ison is the manager. Registered office, 71 Great George Street, Leeds.

Joseph Watson & Sons (Limited).—Capital 500,000*l.*, in 5*l.* shares (60,000 5*l.*-per-cent. cumulative preference). To take over the business of soap manufacturers, candle-makers, tallow melters and refiners, glue-makers, glycerine-distillers, hide and skin brokers, tanners, curriers, fell-mongers, leather-merchants, chemists, druggists, &c., carried on by Joseph Watson & Sons at Leeds, Bradford, and elsewhere. The first directors are the three vendors, Charles, George, and Joseph Watson, and Herbert J. Page. Registered office, Whitehall Soap-works, Whitehall Road, Leeds.

Mason & Booth (Limited).—Capital 2,000*l.*, in 1*l.* shares. To take over the business of drug-merchants, patent-medicine vendors, grocers, and general storekeepers, carried on by John A. Mason and Frank Booth, under the style of "The London and Counties Drug Company," at 41 Savile Street, Hull, and at Toll Gavel, Beverley, both in Yorks. The first subscribers (each with one share) are:—J. A. Mason, drug and patent-medicine vendor, and Mrs. J. A. Mason, 9 Pendrill Street, Hull; F. Booth, drug and patent-medicine vendor, and Mrs. F. Booth, 7 Minerva Terrace, Beverley; Frederick V. Butterfield, 5 Station Bridge, Harrogate, chemist; Walter Mason, 57 Ryan Street, Bradford, cashier; Mrs. E. Hartley, 2 Merril Street, Hull. The first managing directors are John A. Mason and Frank Booth. Qualification, 50*l.*

Eugene Rimmel & Co. (Limited).—The annual meeting of this company was held on Thursday, but reporters were not admitted.

The Quinine Bitters Manufacturing Company (Limited), Llanelly, show a profit last year of 1,003*l.*, out of which a dividend of 10 per cent. is to be paid.

P. T. Turner & Co. (Limited).—The directors' report shows that this company of glass-bottle manufacturers have made a profit of 470*l.* 16*s.* 10*d.* in the year ended February 28, 1897, and a dividend of 10 per cent. has been declared.

The Borax Company (Limited).—The annual meeting of the Borax Company (Limited) was held on Tuesday at Winchester House. The Hon. H. A. Laurence, who presided, moved the adoption of the report, and, in doing so, said the net profits for the year 1896, including a balance of 3,288*l.* 11*s.* 1*d.* brought forward, amounted to 24,590*l.* 19*s.* 8*d.* After providing for interest on debentures, and for premiums on bonds drawn for redemption, there remained a net balance of 5,764*l.* 19*s.* 8*d.*, which the directors proposed to carry forward. The result of the year was slightly better than that of 1895. They had done a larger trade, both with borax and boracic acid, but the state of the market and the prospect of the trade in the future was anything but satisfactory. They were afraid they would not be able to maintain the present price throughout the whole year on account of the competition which they were experiencing. The competition they feared most was that from California, and they had also to fear the increase in the tariffs, which would seriously affect their American trade. As a set-off, they were rapidly building up a retail trade, and had chosen the Continent as the basis of their operations. Their efforts in this direction had proved very encouraging. Mr. O. C. Waterfield seconded the motion, and Mr. Arthur Robottom said he had great hopes for the future of the company. Borax was not sufficiently well known by the poorer classes to be genuinely appreciated, and so firmly he believed that if more largely used borax would prove a blessing to mankind that he was willing to go round with a barrow for the purpose of selling packets of borax to the poorest of the poor. (Laughter.) The report was adopted.

Medical Gleanings.

Amylaceous Dyspepsia.

Gouty and other persons to whom sugar is baneful cannot take malt-extract should they suffer from amylaceous dyspepsia, and for them Mr. Armstrong, of Buxton, writing in the *Liverpool Medico-Chirurgical Journal*, recommends taka-diastase in doses of from 3 gr. to 5 gr. with or immediately after meals. He has used it with excellent results in a considerable number of cases, both of amylaceous dyspepsia and of the form of gout which seems to be associated with that condition.

For Epistaxis.

Corrosive sublimate	gr. j.
Dilute hydrochloric acid	ʒij.
Tincture of cannabis indica	♏ij.
Ergotin..	ʒss.
Simple syrup	℥j.
Infusion of quassia to	℥viij.

A large teaspoonful in a glass of water thrice daily.

Photographic Competition.—We offer an excellent hand camera for a photograph of a pharmacy. For particulars see our issue of May 1, page 702.

Trade Reports.

42 CANNON STREET, E.C., *May* 6.

THE market has been very quiet since our last report There have not been any alterations of importance in chemicals, the principal changes which we have to report being an advance in prussiates of soda and potash. Quinine is firmly held. English vermilion has been advanced 1*d.* per lb. The prices of mercurials have been slightly reduced for small wholesale quantities. Tartaric acid is firm, citric acid quiet. There has been an increase in the prices of cadmium salts, and a decrease in those of certain kinds of nitric acid. Cream of tartar is dull and tending lower. The chief interest in the drug-market has centred in ipecacuanha, of which considerable quantities have changed hands at rising prices. Star-anise oil is also dearer. Crude Japan camphor has been sold at lower rates. Lobelia herb is firm. Cod-liver oil closes rather more steady. All kinds of acacia gum are neglected. Common varieties of tragacanth have been in demand. Cocoa-butter firm. Shellac closes at lower rates. Cochin ginger is dull of sale, but Jamaica continues to sell at full prices. Pimento and black and white pepper are quiet. Linseed oil is dearer. Rape oil firmer. Cotton-seed oil rather easier. Palm oil is lower. Petroleum unchanged.

Saccharin.

A *C. & D.* representative asked Mr. Gordon Salamon this week how the public had responded to the offer of 130,000*l.* in 6-per-cent. debenture stock in the new Saccharin Corporation (Limited). Mr. Salamon was more than satisfied. The amount had been largely over-subscribed, and consumers especially had applied freely for shares. Asked if there was any "outside" competition with the new company in prospect, Mr. Salamon replied that the corporation had acquired all the existing British patents, and had entered into working arrangements with all known manufacturers of saccharin abroad. Hence they did not anticipate any competition; but, *should* any arise—well, the old batteries that were put into position against R. W. Greeff & Co. would be brought out once more, but this time the enemy would be between two fires. It is true that the word "saccharin" is not protected by registration in this country, but that did not matter. Nor did the new company rely chiefly upon the acquired patents, but upon the fact that their arrangements with the foreign makers enabled them to purchase saccharin at a price that would make it impossible for any outside factory to compete. There is no intention to raise the price of saccharin, nor is it intended to transfer the manufacture of the article to this country. Messrs. W. J. Bush & Co. (Limited) have been appointed agents for the British colonies, and foreign manufacturers have bound themselves to execute no direct orders for those markets. So far Mr. Gordon Salamon. Meanwhile, as our advertising-pages show, there is already another Richmond in the field—viz., the Cie. Générale de Produits Antiseptiques, of Paris—who claim to make saccharin by an improved patented process. Messrs. Reitmeyer & Co., who represent this company, assure us that they will relieve buyers of their saccharin from all risk in respect to proceedings on the part of other makers.

Pot. Cyanide in Australia.

Since January 17, 1895, a bonus of 1,000*l.* has been on offer by the N. Zealand Government for the first 200 tons of crude cyanide of potassium made in the colony. The first half of the bonus must be claimed before March 31, 1897, and the second before September 30, 1898. It is not likely that N. Zealand will have to part with its cash. In Tasmania cyanide of potassium is also attracting attention. Representations have been made to the Colonial Treasurer that the existing duty of 20 per cent. on cyanide should be removed, owing to the important part the article plays in mining operations, and the fact that no duty is imposed in the other colonies. The Treasurer has replied that he will do his best next session.

Japanese Cod-liver Oil.

We have now had the opportunity of examining more thoroughly the Japanese cod-liver oil referred to last week. The sample shows a marked improvement over those which we have previously examined from the same source, particularly in colour, the last trace of brown being eliminated. The oil is not as pale as the best Norwegian, and in taste and odour more resembles a second season's oil than a first. This may be due to the heating to which it has been subjected on the voyage. Comparing it chemically and physically with a first-rate cod-liver oil, the factors agree with those of a genuine cod-liver oil. It begins to separate stearin crystals at a temperature of 42° F., so that it is not non-freezing.

Sulphate of Ammonia Scheme.

An important circular letter has recently been issued to the sulphate of ammonia makers It states that a meeting representing the Sulphate of Ammonia Association and several large outside makers has been held to find a solution for the long-continued depression in this article, and its low market value, compared with that of nitrate of soda. The following suggestions were made at the meeting:—(1) To offer prizes to all agricultural societies in the United Kingdom. (2) To employ properly qualified travellers and experts to attend markets, agricultural shows, meetings of agricultural societies, Chambers of Commerce, &c. (3) To employ eminent chemists and agriculturists to conduct special experiments to demonstrate the merits of sulphate of ammonia compared with nitrate of soda, and to bring the results of such investigation to the notice of farmers and others.

Mincing Lane Gymnasts.

A gymnastic display in aid of the London Commercial Sale Rooms Benevolent Fund was given by the Orion Gymnastic Club on Wednesday night. The display was a repetition of the annual one given by the Orion last week, with the addition of qoxing and tug-of-war contests by Mincing Lane men. Among the gymnasts prominently connected with the drug and produce trades were Mr. Otto Ziegele, A. E. Duncan (of Price, Hickman & Co.) Fred. Graf, Christie, junr. (Hale & Son), and R. S. Woods. Representatives of the Mincing Lane Boxing Club were also present. Mr. W. W. Green (Brookes & Green) did the lion's share of arranging the work, and spared no time to make the affair a financial success. The boxing by the Mincing Lane men was very good, and the tug-of-war caused great fun. After a hard struggle the team from Messrs Peek, Wynch & Co. defeated the Mark Lane side. At close of programme Mr. W. W. Green expressed, on behalf of the Benevolent Fund Committee, their sincere thanks to the Orion Club for giving such a magnificent display, and stated that, after paying all expenses, he would hand to the fund a cheque for over sixty guineas.

Hamburg Telegram.

Our Hamburg correspondent wires on Thursday afternoon that *Cevadilla seed* has advanced, and closes with a firm feeling at 1.65m. per 50 kilos. *Opium* is firmer, more money being asked all round. *Agar-agar* is also dearer again, at 2.80m. per kilo.

Amsterdam Cinchona-sales.

Our Amsterdam correspondent wires on Thursday that at the auctions of Java cinchona-bark held there that day 3,529 packages, out of a total quantity of 5,834 offered for sale, found buyers at an average unit of 4.10c. per ½-kilo., being an advance of fully 5 per cent. on the April auctions, the equivalent in English money being about ⅞*d.* per lb. The English and American manufacturers bought the equivalent of 6,187 kilos. of quinine, the Brunswick factory 2,664 kilos., the Mannheim and Amsterdam 2,483 kilos., Frankfort-on-Main and Stuttgart 2,617 kilos., Auerbach 1,969 kilos., and other

manufacturers and druggists 1,748 kilos. of sulphate of quinine. The prices paid at the auctions ranged from 6¾c. to 38¼c. (equal to 1¼*d.* to 7*d.* per lb.) for *Manufacturing* barks; and from 14¼c. to 55¼c. (equal to 2⅝*d.* to 10*d.* per lb.) for *Druggists'* barks. The tone throughout the sales was good.

Cod-liver Oil Telegram.

Our Bergen correspondent wires on Thursday that the Finnmarken fishing this week shows a slight improvement. The total output of fish for the season, including *Lofoten*, has been 47,100,000, against 40,081,000 last year. The production of oil so far amounts to 26,000 barrels, against 16,160 barrels at the same time of 1895. The market is quiet; best non-congealing 1897 oil being offered at 65*s.* per barrel, f.o.b.

New York Telegram.

Our New York correspondent telegraphs on Thursday that the drug market generally is dull. Good bright *Maracaibo* balsam copaiba is held for 40c. per lb. Genuine *Peru* balsam, $1.90 per lb. *Balsam of tolu* very firm, at quotations ranging from 50c. to 55c. per lb., according to holder. *Peppermint oil* has been in strong demand and holders are generally inclined to ask more money. The prices of several medicinal roots are weak and inclined to fall. *Beeswax* shows a stronger market, and for good American bleached 1c. per lb. is asked above last week's quotation.

Smyrna Opium Telegram.

Our Smyrna correspondent wires on Wednesday that the opium-market is firm at an advance of from 3*d.* to 5*d.* per lb., the American agents having bought 20 more cases of fair manufacturing at prices ranging from 8*s.* 11*d.* to 9*s.* 1*d.* per lb., f.o.b. The market closes firm, and it is difficult to obtain further supplies, even at the higher quotation.

Acid (Citric).—The market is weak. It is said that a parcel of *foreign* citric acid has been sold in London a few days ago at 1*s.* per lb., usual terms. The English manufacturers, however, have made no change in their quotations, although 12½*d.* per lb. would probably be accepted by them. There is very little citric acid in second hand. Concentrated *lemon juice* is now held for 11*l.* 15*s.* per pipe, c.f., but it is said to have been sold recently at the very low price of 11*l.* 7*s.* 6*d.* per pipe c.f. terms.

Acid (Nitric).—Certain qualities have been reduced from 7*s.* and 8*s.* per cwt., pure nitric acid, s.g. 1·42, being lowered from 38*s.* to 30*s.*; *Puriss*, distilled from silver, s.g. 1·42, from 47*s.* to 40*s.* per cwt.

Acid (Tartaric).—Supplies on the spot seem to be scarce; some business was recently done in foreign brands at 12¼*d.* per lb. on the spot, but 12½*d.* per lb. is now asked. English B.P. tartaric is quoted at 12½*d.* per lb.

Aloes.—It is reported from America that the supply of *Curaçao* aloes in gourds shows a considerable falling-off. It is said that this mode of packing is gradually being abandoned altogether, because it does not pay at the present market-price of the drug.

Arsenic.—Still remains very scarce at 24*s.* 6*d.* per cwt. for best white powder.

Belladonna-root firmly held and scarce; common qualities only is now offering on the spot at 38*s.* to 40*s.* per cwt.

Birdlime.—There have been fairly heavy arrivals of Japanese birdlime recently, and in consequence prices are generally lower. For best Japanese 1*s.* per lb. is asked, and for other qualities 9*d.* per lb.

Cadmium.—The prices of cadmium salts have been considerably increased by the manufacturers, who now quote 20*s.* per lb. for *Iodide*, 14*s.* for *Sulphide*, and 12*s.* per lb. for *Bromide of cadmium*. This is an increase of from 25 to 35 per cent.

Camphor (Crude).—The market has weakened considerably since our last report, and on Wednesday a sale of about 300 piculs *Japanese* camphor was reported at 97*s.* 6*d.* per cwt., c.i.f. terms, for March–May shipment. To-day that price is also quoted for May-July shipment. *Formosa* camphor offers, for May-July shipment, at 91*s.* to 92*s.* per cwt., c.i.f. terms. At the close the feeling in the market seems to be slightly firmer.

Coriander-seed.—At the spice-auctions, on Wednesday, 28 bags of English coriander-seed sold at 16*s.* per cwt.

Cream of Tartar.—Best white *French* crystals are quoted at 78*s.* per cwt.; powder at 80*s.* to 81*s.* per cwt.

Galls.—Some business has been done in good *Blue* Persian galls, on the spot, at 50*s.* per cwt. *Chinese* galls offer at 64*s.* per cwt. on the spot, and at 58*s.* per cwt., c.i.f. terms.

Gentian-root is again dearer. It is said that several parcels have changed hands on the spot, since last week, at 32*s.* per cwt. for good quality. The quotation for arrival is 31*s.* per cwt., c.i.f. terms.

Ipecacuanha.—A large business has been done this week for export to America, and considerably higher prices are now ruling. It is said that since the beginning of this month about 150 bales of *Brazilian* root have changed hands, up to 6*s.* per lb. being paid for the bulk. Since then it is reported that 6*s.* 3*d.* per lb. has been refused, and that 6*s.* 6*d.* per lb. is now asked. Of *Carthagena* root nearly 100 bales are said to have been sold at 4*s.* per lb., but more money is now required.

Jaborandi-leaves.—A parcel of 40 bales has recently changed hands in Liverpool; the price realised is not stated. Since then the demand seems to have fallen off entirely.

Jalap is reported a shade firmer from the United States 5¼*d.* per lb., c.i.f., being the last quotation.

Linseed.—Owing to the continued decline in the raw material, makers have again reduced their quotations, from 13*s.* to 14*s.* per cwt. being the current price for light crushed linseed.

Lobelia-herb still continues to advance, and it is extremely scarce in America. Pressed herb in ¼ and ½ lb. packets in original cases is held for 8½*d.* per lb.; loose ditto in bags offers at 7*d.* per lb.

Menthol very flat. On the spot, 5*s.* 9*d.* per lb. appears to be the general quotation, and for arrival the same figure, c.i.f. terms, is given.

Mercurials.—From the beginning of this month the English manufacturers have made a slight alteration in their quotations for mercurials, parcels below ½ cwt. being reduced in price 1*d.* per lb. all round, while for larger quantities quotations remain unchanged :—

—	Below 56 lbs.		½ to 2 cwt.		2 to 5 cwt.		5 to 10 cwt.	
	s.	*d.*	*s.*	*d.*	*s.*	*d.*	*s.*	*d.*
Calomel...	2	9	2	8	2	7	2	6
Perchloride	2	5	2	4	2	3	2	2
Red oxide	3	1	3	0	2	11	2	10
Red precipitate ...	3	1	3	0	2	11	2	10
Ammoniated	3	2	3	1	3	0	2	11
Persulphide	2	2	2	1	2	0	1	11
White & black sulphide	2	1	2	0	1	11	1	10

The prices in the first column are those which have been reduced. There has been no further advance in mercurials since the 2*s.* 6*d* rise in quicksilver announced this week, but *English vermilion* has been raised 1*d.* by the manufacturers, who now quote 2*s.* per lb. for 300-lb. lots, 2*s.* 1½*d.* per lb. for 150-lb. lots, and 2*s.* 3½*d.* per lb. for lots of from 30 lbs. to 150 lbs.

Oil (Cod-liver).—Up to the middle of the present week the market for Norwegian oil was extremely flat, and without buyers. Since then, however, several agents have received instructions not to sell at the last quotations, and there is now a disposition to ask more money all round. *Jerxell* and

Henrichsen quote 80*s*., spot; *Isdahl* 73*s*. per barrel, f.o.b. The last price for *Thesen's* oil was 70*s*., f.o.b. For *Holmboe's* brand 63*s*. 6*d*. per barrel, f.o.b., has been refused, but a bid of 70*s*., f.o.b., will probably be accepted. For June-July shipment this manufacturer's agents ask 75*s*. per barrel, c.i.f. terms.

OILS (ESSENTIAL).—*Sandal-wood* oil is weak, and some of the makers who still quoted slightly higher rates than their competitors have now reduced their prices; 12*s*. per lb. is the highest current wholesale quotation for English distilled. *Oil of cubebs* is also lower, 4*s*. to 4*s*. 3*d*. per lb. being quoted for English, and *Oil of pimento* has been reduced to 8*s*. per lb. for English. *Caraway oil* continues to decline on account of the low rates of the seed; 5*s*. 3*d*. per lb. would be accepted for best quality by some of the English makers. There has been an advance in *Star-anise oil* this week, and a considerable quantity is said to have changed hands at prices ranging from 6*s*. 4½*d*. to 6*s*. 9*d*. per lb. for spot stuff; 6*s*. 3*d*. per lb., c.i.f., for May-July; 6*s*. 5½*d*. per lb., c.i.f., for July-August; 6*s*. 4*d*. per lb., c.i.f., for May-June. American *Peppermint oil* is reported firmer, 6*s*. 9*d*. per lb. being asked for HGH oil. *Bergamot oil* is also tending upwards, but almost all other essential oils are unaltered. Mitcham *Peppermint oil* is very weak. Good quality may be had at 26*s*. per lb.

OPIUM.—The market for *Persian* opium is steady, with a moderate business at the current quotations, which run from 10*s*. 3*d*. to 10*s*. 9*d*. for the best, 9*s*. to 10*s*. for medium to fine, and 8*s*. to 9*s*. for ordinary fair quality. *Turkish* is also very firm.

POTASH SALTS.—It is said that some of the German manufacturers will be able to supply *Permanganate* more freely this season than they were able to do last year. *Chlorate* still remains quiet, at 4¼*d*. to 4½*d*. per lb. on the spot, according to quality.; 4*d*. would be accepted for June delivery. Yellow *Prussiate* is much firmer to-day; 5½*d*. per lb. would probably not be accepted any more, 5¾d. per lb. being the general asking price. Beckton, 5*d*. to 5¼*d*. per lb., net terms.

QUICKSILVER. — On Monday the principal importers advanced their quotation by 2*s*. 6*d*. per bottle—viz., from 7*l*. 5*s*. to 7*l*. 7*s*. 6*d*. The market is now firm, second-hand quotes 7*l*. 7*s*. 6*d*.

QUININE.—The market is unchanged, but firm at 8½*d*. per oz. for second-hand German bulk.

SAFFRON.—The market is going down, although strong efforts are being made to keep prices at their present nominal level.

SARSAPARILLA.—Mexican sarsaparilla is very low in price 3½*d*. per lb. being the current quotation for fair quality from New York. The low rates, however, have had the effect of considerably curtailing the supply. The present stock of Mexican sarsaparilla in New York is said to be about 350 bales.

SODA SALTS.—*Prussiate* has been advanced in sympathy with prussiate of potash. The Beckton brand is now held for 4*d*. per lb.

SUGAR OF MILK continues in good demand, at from 57*s*. 6*d*. to 65*s*. per cwt., c.i.f. terms, for *American* powder, according to brand.

SULPHONAL.—It is said that at least one of the German makers refuses to sell any more sulphonal at the bottom price of 7*s*. 9*d*. per lb., which was recently established.

TEA.—The supplies of Indian and Ceylon for the week have been heavy. No fewer than 40,000 packages of Ceylon were catalogued for Tuesday, necessitating a division of the sale between Tuesday and Thursday, this being far beyond the biggest quantity previously catalogued for one day. Prices have, however, been very fairly maintained, and though here and there the bidding has slackened and cheap tea been sold, on the whole there has been no marked decline. On Wednesday 20,000 packages were up for sale, probably the heaviest Assam day we shall have for some time. Here and there some cheap teas were sold, and on the whole prices were easy for lower grades, but anything with quality was in good demand at full rates.

TONCA-BEANS are still in very large supply, and the prices of the finer qualities are generally easier. Ordinary to good crystallised Para beans are still quoted at 1*s*. to 2*s*. per lb., ordinary to good Angostura may be had at 3*s*. to 5*s*., and picked at about 8*s*. 6*d*. per lb.

TRAGACANTH.—Good to fine qualities remain neglected, best white *Persian* gum being offered at 13*l*. 10*s*. to 14*l*., seconds at 11*l*. 15*s*. to 12*l*. 15*s*. per cwt., and thirds at 10*l*. to 11*l*. In ordinary and low grades of flake gum, however, there is a brisk business passing, and rather higher rates have been paid, fourth quality being quoted at 8*l*. to 9*l*. 10*s*., pink and yellow mixed 6*l*. to 7*l*. 10*s*., and low grades from 35*s*. to 110*s*. per cwt.

TURMERIC.—A steady market. Dull *Madras* finger is quoted at 13*s*. 6*d*. per cwt., fair *Bengal* at 10*s*. per cwt.

VANILLA remains extremely firm, the reports of the short crop in the Reunion being confirmed.

WAX (JAPAN).—There has been somewhat more demand recently at the reduced quotations of 37*s*. to 37*s*. 6*d*. per cwt. for good pale squares. For arrival the quotation is 33*s*. 6*d*. per cwt., c.i.f. terms.

The Market in Heavy Chemicals.

There have been few important alterations in the heavy-chemical market during the past week. Business, on the whole, is moderately brisk, but not by any means what it should be for this season of the year. *Bleaching-powder* continues in steady demand: f.o.b. Liverpool, 6*l*. 5*s*. to 6*l*. 10*s*.; softwood casks, on rails Liverpool and Tyne, 6*l*. 10*s*. *Caustic soda* also is very steady: 60 per cent., 6*l*. 5*s*.; 70 per cent., 7*l*. 5*s*.; 74 per cent., 8*l*. 5*s*., all f.o.b. Liverpool: and 76 per cent., 8*l*. 15*s*., f.o.b. Tyne or Liverpool. *Sulphate of ammonia* dull for prompt, and inquiries of moment for forward are only scarce. *Benzols* are flat, and prices have again declined: 90 per cent., 1*s*. 11*d*. to 2*s*.; 50 per cent., 2*s*. 2*d*. to 2*s*. 4*d*. *Aniline oil and salts* are also offering at lower figures, the former now standing at 7*d*., and the latter at 6*d*. Crude and solvent *Naphtha* steady, at late rates. *Cream of tartar* a shade lower; powdered 82*s*. to 83*s*., and crystals 80*s*. Recovered *Sulphur* maintains its position, owing to continued scarcity. South Durham *Salt* in brisk request. *Chlorate of potash* quiet: May quotation, 4*d*. Yellow *Prussiate of potash* unchanged. Soda *Crystals* very firm, at late rates. *Carbolic acids*, crude and crystals, maintain their firm position. *Boracic acid* and *Borax* quiet. Nitrate of *Soda* steady: refined, 8*s*. 1½*d*.; and ordinary, 7*s*. 10½*d*. *Sulphate of copper* quiet: Liverpool, 17*l*. 5*s*.; Anchor, 18*l*. Green *Copperas* still in demand, Welsh make particularly being scarce. White powdered *Arsenic* steady. Brown *Acetate of lime* dearer: 5*l*. 5*s*. Welsh, best American 5*l*. 2*s*. 6*d*.

The Liverpool Drug-market.

Our Liverpool correspondent, writing on May 5, says that there has been considerable movement in *Castor oil* during the past few days, and owing to the small stocks on the spot and absence of supplies afloat good seconds Calcutta have advanced to 3⅛*d*., at which considerable sales have already been effected, and there is every prospect of a further advance. First-pressure French has advanced to 3 1/16*d*. per lb., Madras is held for 3¼*d*., and Bombay has realised 2¾*d*. per lb. *Cream of tartar* is selling at 82*s*. per cwt. for first white French and Spanish of full strength. *Sulphate of copper* is weaker, at 16*l*. 15*s*. per ton for good brands. *Acacia gums* of Indian descriptions have been rather slow of sale this week, but Turkey sorts are steadily held for previous prices, there being no sellers of fair hard under 60*s*. to 62*s*. 6*d*. per cwt. The small supply of Brazil met with a better demand, realising fully 2*s*. 6*d*. per cwt. advance on previous rates. *Beeswax* is in better request, and an advance of fully 2*s*. 6*d*. per cwt. has been established during the week, good Chilian now being held for prices ranging from 7*l*. to 7*l*. 10*s*. African *Ginger* has eased off slightly, and sales have passed at 16*l*. per ton. *Kola-nuts* are selling as they arrive at 2½*d*. to 3*d*. per lb. *Canary-seed* is steady at late rates, 27*s*. 6*d*. to 28*s*. per cwt. A small consignment of Honduras *Sarsaparilla* at auction realised 9¼*d*. per lb. *Arsenic* is held for 23*l*. 15*s*. to 24*l*. per ton net. *Sierra Leone chillies* at auction elicited no bids, good bright being held for 35*s*. to 37*s*. 6*d*. per cwt.

The Hamburg Drug-market.

Our Hamburg correspondent writes, on May 4, that business is still very quiet and there is little doing in the drug-market. *Aniseed* is unchanged, at 27m per 100 kilos. for spot delivery. *Acid (citric)* is quiet, at 235m. to 240m. per 100 kilos. *Acid (tartaric)* is steady, at 225m. to 240m. per 100 kilos., according to quality. *Cape aloes* is unchanged and quiet, at 45m. to 46m. per 100 kilos. *Antimony* remains very firm, at 39m. per 100 kilos. *Balsam copaiba* is unchanged, at 4.50m. per kilo. for genuine Maracaibo. *Balsam Peru* quiet, at 16½m. per kilo., and *Balsam tolu* firmer, at 5½m. per kilo. *Camphor* remains firm; *Refined* is unchanged, at 295m. per 100 kilos. *Chlorate of potash* is unchanged, at 77m. per 100 kilos. *Cassia lignea* is quiet; new crop for shipment at 32*s*. per cwt.; prime old demands 90m per 100 kilos. ex warehouse. *Ergot of rye* shows a quiet market, at 95m. to 100m. per 100 kilos. *Gentian-root* is very firm and scarce; holders ask to-day 56m. to 57m. per 100 kilos. *Galangal* is steady, at 45m. per 100 kilos. *Honey* is firm for *Cuba* and *Domingo*, while *Chilian* remains unchanged. *Menthol* is dull, at 13m. per kilo. *Kola-nuts* are unchanged, quiet at 50m. to 60m. per 100 kilos. for good qualities. *Nux vomica* is steady, at 12½m. to 13m. per 100 kilos. *Lycopodium* is unchanged, at 265m. per 100 kilos. *Essential oils* are quiet; *Peppermint oil* HGH is quoted at 6⅜m. to 6½m per lb.; *Japanese*, 6m. per kilo. *Citronella oil* is unchanged, at 265m. per 100 kilos. *Star-anise oil* is quiet; 40 cases arrived here lately; to-day's quotation is 15m. per kilo. *Castor oil* is firmer; *French* first pressing has sold at 58m. per 100 kilos. for spot delivery. *Rape oil* is quiet. *Cod-liver oil* is extremely dull and slow of sale; the quotation for new is 66m. per barrel. *Staranise-seed* is quiet, at 165m. per 100 kilos. *Maltese cumin-seed* is dull, at 43m. per 100 kilos. *Spermaceti* is quiet, at 305m per 100 kilos. *Quillaia-bark* is very firm, at 32m. per 100 kilos. *Wax (Carnauba)* is quiet: grey, at 60m.; medium, 120m. to 125m. per 100 kilos. *Japan wax*, spot, is quoted at 76m., and 72½m. to 73m. per 100 kilos. to arrive. *Quinine* steady; the factories are holding back; 23m. to 24m. per kilo. is the price. Chinese *wood oil* shows a fair demand, but there is only very little offering at present.

The Amsterdam Market.

Our Amsterdam correspondent writes that 40 tons of Van Houten's cocoa-butter were offered at auction there on May 4, and sold at from 54¾c. to 55¼c. per half-kilo.; 10 tons of "Holland" cocoa-butter were also offered, but only 1½ ton sold at 53c. per half-kilo.; 5 tons of foreign cocoa-butter, "Balance" brand, realised 51c; and 2 tons, offered without brand, 48¾c. to 56¼c. per half-kilo. The feeling was extremely languid. With regard to *Cinchona*, our correspondent writes that on Wednesday night the shipments of Java cinchona during April were made known. They are as follows:—

	1893	1894	1895	
April	649,000	515,000	615,000	Am. Pds.
January-April	2,530,000	2,388,000	2,477,000	"

	1896	1897	
April	419,000	560,000	Am. Pds.
January-April	2,492,000	1,984,000	"

The bark-market is firm, and a good demand expected for the sale next Thursday.

The Smyrna Opium-market.

Our correspondents write, under date of April 24, that no business has been done in opium at all during the present week. There has been a slight demand, but the holders refuse to sell at current prices. The general impression among the native dealers in Smyrna is that prices will go lower, as there is little doubt that the new crop will be a very large one. Until the new opium appears, however, the comparatively small supplies of old crop will be held for steady rates. One case of talequale Karahissar has been sold at 8*s*. 3½*d*. per lb., and one case of picked Yerli at 8*s*. 6*d* per lb. The financial position in Smyrna is said to be generally unfavourable. The exchange is rapidly falling, and the enforced departure of Greek subjects from Turkish territory does not tend to improve prospects of business. With regard to the coming crop, it is said that in some of the growing-districts plants are already flowering, which seems to indicate that the harvest will be extremely early.

The American Drug-market.

Our New York correspondent writes on April 24:—"Trade has not improved during the month. Of *Curaçao aloes* 128 cases have come in, and were sold promptly. Some jobbers are still quoting 2¾c. *Balsam copaiba*: Central American has arrived to a limited extent, and all the parcels offering were quickly disposed of. Jobbers ask 40c. for Cartagena and 50c. for Para. Cloudy, dirty, watery Maranham may be had at 40c., while 53 cases Maracaibo, which had long remained here, have been shipped to Hamburg. Angostura is out of the market. *Balsam tolu*: 44 cases have arrived, of which 30 remain unsold. For the entire parcel it is intimated 52½c. will be accepted; jobbers ask from 53c. per lb. *Cascara sagrada* has been neglected for some time past; prices are from 3½c. up. *Lobelia herb* of new crop offers at 12c. *Cotton-seed oil* moves rather more freely, without alteration in price. *Peppermint oil* of all varieties is more firmly held, and light prices are looked forward to. *Podophyllin*: On this article manufacturers have reduced their prices, in sympathy with the position of the crude article. Yellow unofficinal can be had at $2.50 per lb. *Golden-seal root* is scarcely asked for; price 27c. lowest. *Jalap*: Good, of new crop, is freely offered at 9½c., old wormy at 8½c., and prime heavy old at 10½c.; but there is very little attention given to this article. *Mandrake-root*: Manufacturers are buying from hand to mouth, as new crop is already offering, and lower prices are looked forward to when the crop comes in more freely. Mexican *Sarsaparilla*: Arrivals continue, and stocks here are very large. Importers ask 4¾c., and jobbers ask 5c. Honduras sarsaparilla, especially the cheaper grades, are firmly held; of the latter there is a great scarcity. *Senega-root*: From the new crop no news is in as yet, as it is too early; but the probabilities are that not nearly as much will be gathered as in 1894 and 1895, as prices are as yet against diggers. If no more is dug than last year, higher prices must rule in the autumn. *Spermaceti*: Manufacturers are anxious sellers, but buyers are not interested. *Beeswax* is not offering so freely of late, and an advance on previous quotations is being paid. We quote 27½c. to 29½c., according to grade."

The Norwegian Cod-liver Oil Market.

Our Bergen correspondent writes on May 1:—"The principal feature of the present position of our market is the extremely poor result of the Finnmarken fishing and the bad prospects from that fishing-ground. The total catch in Bergen up to the end of April is as follows:—

	1897	1896	1895	1894	1893
Millions of fish ...	2	5·9	0·9	4·9	2

The market in Bergen, however, remains extremely dull, and it is not expected that there will be any alteration until the end of May. The oil exports from Bergen up to date are 2,471 barrels, against 1,910 barrels in 1896." From another source we hear that the Lofoten fishery, which closed officially on April 24, is stated to have yielded the total of 18,260 hectolitres of oil. Most of the Lofoten crop, it is said, is being gradually bought up by wholesale firms and put away to meet the demand that is expected to arise after the summer.

Luboldt.—Mr. Paul Theodor Luboldt, of the firm of Grosscurth and Luboldt, 21 Mincing Lane, E.C., who died at his residence at Breakspear Road, St. John's, S.E., on May 3, was a well-known figure in London drug-circles. Mr. Luboldt was born at Gera, in Germany, sixty years ago, and at an early age came to London, where he entered the service of the firm of August Faber & Co. After some years Mr. Luboldt started in business on his own account in partnership with Mr. Grosscurth, who had been his colleague at Faber's. The firm was very successful, and chiefly known to druggists as the representatives of the Bolivian Bismuth Syndicate. It was Mr. Luboldt who conducted the negotiations that led to the convention between the Saxon and Bolivian bismuth-works. The firm also dealt largely in petroleum, and were among the first, we believe, to introduce the tank-system of shipping that article. Mr. Luboldt's brother, Dr. Luboldt, was until his death, a couple of years ago, a partner in the well-known firm of Gehe & Co., of Dresden.

A Salvage Sale of Drugs.

AT the Commercial Salerooms on Thursday, a quantity of "damaged goods" from the steamer *H.H. Meier*, from Bremen to New York, which caught fire on the way and put in at Falmouth, and from the *Melrose*, which collided in the Thames, was offered for sale on account of the underwriters. The goods included 1,200 lbs. of essential oils, 2,500 ozs. of sulphate of quinine, and 2,000 ozs. of hydrochlorate of cocaine. There was a considerable attendance. The goods were offered by Mr. Robert Lyon, and they were placed on show at Leo Wharf, Old Kent Road. Most of the persons who attended, seemed to think it necessary to account for their presence to their friends in an apologetic manner. They had all dropped in on the way "just to have a look." Mr. Lyon read out the whole of the sale conditions before proceeding with his auction; this, and sundry comments on the conditions, occupied about a quarter of an hour. At last, however, a beginning was made with the offering of twelve casks of black potash (78 57 per cent.), for which no bid whatever could be obtained. Ten casks of refined graphite, consigned from Germany to a pencil-manufacturer in New York, came next. The first lot sold at 10*s.* per cwt., and the remainder was bought in. A parcel of refined manganese was next dealt with and sold at from 40*s.* up to 55*s.* per ton. Fifteen cwt. of barytes composition (lithopone) was knocked down at 1*s.* per cwt. The next items in the catalogue was 3 casks of a substance catalogued as "Harzsaur blei" (resinate of lead) and 8 casks of "Harzsaur mangan" (resinate of manganese) of which the German names had evidently proved too much for the cataloguer. No bids were made for these substances. The purchaser of 23½ tons of cobalt ore, testing 4·85 per cent. of cobalt and 1·45 per cent. of nickel, seemed to secure a bargain when the lot was knocked down to him at 100*l.* all told. Thirty-two casks of washing-soda sold at 32*s.* 6*d.* per ton; a crate containing 146 glass jars at 27*s.* 6*d.* for the lot, and 2 packages containing 218 bottles for 15*s.* for the lot. The biggest bargains of the day seemed to be in corks, of which 13 packages were offered. One of these, containing 500 gross corks of first quality, sold at 11*l.* for the lot; and another, containing 10,000 corks of first quality, measuring about ⅞ × 1⅛ inch, realised 50*s.* for the lot. The chief matter of interest in the catalogue was a parcel of about 1,200 lbs. of Schimmel & Co.'s essential oils and floral extracts. These were mostly in sound condition, excepting that the labels were damaged and some of the tins outwardly stained. The following were the prices realised by this parcel:—Three 10-lb. tins extra concentrated extrait jasmin, 8*s.* per lb.; 2 12½-lb. tins extrait violet, 8*s.* per lb.; 80 ozs. of essential oil of orris, from 20*s.* 6*d.* to 22*s.* 6*d.* per oz. (according to size of bottles); 4 lbs. of Saxon peppermint oil, in bottles, 8*s.* 6*d.* per lb.; 10 ½-lb. bottles of oil of hops, 51*s.* per lb.; 3 1-oz. bottles oil of sumbul-root, 50*s.* per lb.; 528 lbs. extra concentrated oil of lavender flowers in 5-kilo. tins, from 5*s.* down to 4*s.* 6*d.* per lb.; 25 1-lb. bottles oil of geranium, 23*s.* to 25*s.* per lb.; 25 bottles ditto, 35*s.* per lb.; 25 1-lb. bottles oil of coriander, 13*s.* per lb.; 25 1-lb. bottles oil of Ceylon cinnamon, 23*s.* per lb.; 4 12½-kilo. cases red oil of thyme from flowers, 2*s.* 10*d.* per lb.; 10 5-lb. bottles oil of patchouli, 26*s.* per lb.; 25 1-lb. bottles German rue oil, 4*s.* per lb. These prices were in most cases fairly high, the Spanish geranium oil, for instance, realising only about 12 per cent. below the list quotation. The Saxon peppermint oil and the German rue oil, on the other hand, only brought about 25 per cent. of the invoice price. Ten 5-lb. bottles of Schimmel's eucalyptol sold cheaply at 2*s.* 3*d.* per lb., and 25 1-lb. bottles of coriander oil, made by another German firm, realised 9*s.* per lb. When the oils were disposed of the quinine came up for sale. This was all of Brunswick manufacture, 100 1-oz. bottles selling at 8¼*d.* per oz., 480 tins at 7¼*d.* per oz., and 20 100-oz. 7⅛*d.* per oz., with the exception of a broken lot, which realised 7¼*d.* The cocaine, like the other drugs, was well competed for; the bulk of it sold at 8*s.* 6*d.* per oz., a few lots at 8*s.* 3*d.*, but for more damaged parcels from 8*s.* down to 7*s.* 6*d.* per oz. was accepted. It is said that these prices are not subject to any of the usual discounts or allowances, and, besides that, buyers have to pay 1*s.* per lot for lot money. The cocaine was also of "Brunswick" make.

London Drug Statistics.

THE following statistics relate to the receipts and deliveries of some of the leading drugs from and into the London public warehouses in the course of the four months from January 1 to April 30, 1897 and 1896, and to the stocks on April 30 of these two years. Their accuracy cannot be guaranteed.

Article	Stocks		Imported		Delivered	
	1897	1896	1897	1896	1897	1896
Aloes.....cs, &c.	2,828	4,350	557	1,160	1,770	1,801
" ..... gounls	1,832	2,316	—	—	124	333
Anise, Star .....cs	187	239	100	1	37	33
Arrowroot .... brls	11,323	17,577	4,880	8,511	5,302	4,583
" bxs & tns	2,264	1,706	136	311	395	664
Balsam (medicinal) cks, &c.	481	1,049	112	245	437	559
Borax ..... pkgs	—	12	1	—	1	29
Calumba ..... bgs	95	695	263	15	179	542
Camphor(crude) pkgs	11,032	14,320	2,630	1,834	3,530	3,787
Cardamoms ..cs, &c.	1,049	626	1,539	823	934	1,174
Cinchona-bark:—						
S. American....cs	54	58	—	—	2	—
" bls, &c.	13,439	15,514	1,155	964	1,542	2,699
E. I., Ceylon, and Java cs	300	265	25	83	33	88
E. I., Ceylon, and Java bls	7,349	10,670	2,463	6,977	3,116	5,478
Cocculus ind... bgs	55	174	—	147	17	64
Cream of tartar cks	5	5	—	4	—	4
Cubebs ..... bgs	311	329	33	—	192	67
Cutch ..... tons	1,602	1,925	214	966	435	752
Dragons' blood .. cs	43	148	29	64	45	95
Galls—						
Chinese, &c. .. cs	515	1,214	21	1,227	539	530
Trkey.&Persn. bgs	3,973	4,917	1,579	1,658	3,121	1,708
Gambier ..... tons	1,350	1,132	2,135	2,296	1,860	1,914
Gums—						
Acacia .....pkgs	11,228	10,616	8,012	7,723	9,749	8,048
Ammoniac "	38	52	3	15	4	34
Animi & copal "	18,653	9,572	15,760	7,587	12,029	6,725
Asafœtida .. "	529	979	541	725	273	509
Benzoin .... "	2,843	1,910	1,011	1,461	1,531	1,059
Damar ..... "	3,303	3,220	1,384	3,538	1,783	2,411
Galbanum .. "	1	2	—	—	—	—
Gamboge .... "	163	253	69	212	98	118
Guaiacum .. "	79	29	39	37	10	65
Kino ..... "	39	14	19	2	5	2
Kowrie tons (net)	936	883	1,120	603	1,237	1,158
Mastich ....pkgs	15	27	5	21	2	14
Myrrh ..... "	539	609	88	234	121	180
Olibanum .. "	2,462	3,363	2,080	3,716	2,037	2,409
Sandarach .. "	843	366	935	439	409	335
Tragacanth.. "	3,630	4,102	2,350	3,959	2,776	1,836
Ipecacuanha..bls & pkgs	430	587	275	292	313	333
Jalap ..... bls	242	293	71	214	133	173
Lac dye ..... chts	2,543	2,743	—	—	162	51
Myrabolans ....tns	3,186	5,092	1,493	1,546	1,489	2,067
Nux vomica .. pkgs	576	715	168	137	115	520
Oils—						
Anise.....cs	102	89	110	25	53	66
Cassia ... . "	84	35	110	16	46	12
Castor.....cks	169	139	456	401	499	343
" ..... cs	521	831	94	451	378	705
Cocoa-nut .. tons	417	590	483	687	409	839
Olive ....cks &c.	868	1,012	413	1,225	704	640
Palm.....tons	5	28	6	48	16	29
Rhubarb .....chts	254	633	146	152	353	412
Safflower .....bls	157	110	43	65	34	34
Sarsaparilla .....bls	234	272	283	322	312	316
Senna .....bls, &c.	1,407	1,298	375	634	1,772	1,933
Shellac—						
Button .....cs	7,164	7,794	4,577	5,506	3,332	3,840
Garnet ..... "	5,769	5,139	3,645	2,079	2,123	2,823
Orange ..... "	35,889	23,281	24,403	22,815	14,027	13,222
Total....chts	48,822	36,214	32,625	30,400	19,482	19,885
Sticklac .....cs	3,403	2,524	1,039	3,231	655	1,202
Turmeric—						
Bengal .....tons	466	695	16	53	76	112
Madras, &c... "	308	551	15	60	88	144
Total.... "	774	1,246	31	113	164	256
Vermilion chts, &c.	7	16	—	2	—	2
Wax—						
(Bees') ..bls & sns	548	804	556	473	418	870
" cks & cs	1,046	1,204	1,169	1,025	1,090	830
(Japan) .. cs, &c.	169	144	144	10	154	336

DRUGGISTS' PROFITS.—Says Prof. J. U. Lloyd: "A few years ago, I went to a jewellery establishment and bought twenty-five little screws. I took these, weighed them, and figured up the profit made by the jeweller on the iron he sold—talk about the druggists' 100 per cent.! He is not to be mentioned in the same breath with the man who sells iron at these prices."

The By-laws.

SIR,—I consider myself fortunate in having drawn two replies to my letter from friends of the Pharmaceutical Society, since one of them flatly contradicts the other, as regards the main point of my argument.

For whilst Mr. Eberlin strives hard to disprove my assertion that "it is the members and associates who do not pay," Mr. Sargeant jumps at it, and, admitting my contention, claims that the object of the proposed increase is to make them pay. Unfortunately, he does not explain in what sense taking 5*l.* 5*s.* extra from each candidate for the Minor is making members pay.

It would appear to me that the laudable object he has in view would be more logically attained by increasing the subscription of members and associates to make it cover the expenses the Society is put to on their behalf.

If the Pharmaceutical Council will confine themselves to this, instead of taxing men who are not connected with the Society, and never may be, I think I can promise Mr. Sargeant that no chemist outside the Society will trouble himself about the matter.

Mr. Sargeant somewhat innocently asks me whether an article valued at 5*l.* 5*s.* is worth as much as one valued at 10*l.* 10*s.*? It all depends on who the valuer is, whether he is the buyer or the seller of the article in question. An article may be valued at anything according to the fancy of the valuer, but it by no means follows that the same article—say the Minor qualification, for instance, which can be supplied at 5*l.* 5*s.* and yield a very handsome profit—becomes one whit more valuable to the purchaser because you charge him 10*l.* 10*s.* for it instead of 5*l.* 5*s.*

Mr. Sargeant concludes by reminding me "that when the examinee becomes qualified he can have a voice in the direction of the Society's expenditure." So he can at the present time by becoming a member or associate. Even members of the Council with some qualms of conscience have deplored that they can give the examinee no more advantages for the increased fee than he enjoys at present.

As regards the financial affairs of the *Journal*, Mr. Sargeant is discreetly silent, confining himself to the "intellectual nutriment" to be derived from it, otherwise I have no doubt he would have as flatly contradicted Mr. Eberlin on this question as he did on the other, since he considers it incumbent on the Society to continue the *Journal* regardless of whether it pays or not.

My friend Mr. Eberlin, however, is good enough to contradict himself, for after reiterating the assertion he made at Nottingham, "that the *Journal* depends for its income on advertisements and sales alone, and not on annual subscriptions," he goes on to show, in answer to my question, that the 3,598*l.* which the *Journal* costs the Society over and above the income from sales and advertisements is paid for out of members' and associates' subscriptions.

In the first place, let me ask by what law of economics can any journal be said to depend for its income on advertisements and sales alone when these only amount to little more than half the cost of its production? On the other hand, it is surely absurd to say that the *Journal*, which, according to Mr. Eberlin himself absorbs 3,598*l.* of members' and associates' subscription, depends for its income on advertisements and sales alone. The one statement is a direct contradiction of the other, and requires no further comment.

Mr. Eberlin next shows that after paying the adverse balance on the *Journal*, and 840*l.* for the library and museum, there is still a small balance left over from annual subscription, and as he repudiates all other liabilities the Society seems to be doing well and saving money. If we could only pick and choose in our individual capacity which of our liabilities we would discharge and which repudiate, this would be a much happier world for some of us to live in than it is at present. Yet this is precisely what Mr. Eberlin does, for, having appropriated all but a few hundred pounds of members' and associates' subscriptions, he coolly disowns all other liabilities, rent, rates, and taxes, school of pharmacy and law costs, research laboratory, secretarial salaries, and servants' wages, together with various other expenses, amounting altogether to the modest sum of between five and six thousand pounds; he will have none of them.

All this is very amusing, but it is not argument. Does Mr. Eberlin seriously contend that members and associates are to pay no share of these various expenses? Upon what grounds also does he repudiate the School of Pharmacy, which he must be perfectly well aware has nothing whatever to do with the administration of the Pharmacy Act, and no more concerns me, or any other chemist outside the Society, than does his (Mr. Eberlin's) house-rent.

His contention that the advanced fee would raise the price of assistants is an argument for which his friends will scarcely thank him, for it seems to me that, in these days of stores and keen competition, what the chemist is looking for is a means of increasing his profits, and not his expenses.

In conclusion, may I ask Mr. Eberlin where he finds the signs that registered chemists as a body approve of the advanced fee? Certainly not in Nottingham, for at the meeting held here to discuss the question, out of the seventy chemists in business in the town only some twenty attended, and of these only ten supported the proposed new by-laws. A very similar condition of things has, I believe, obtained in other towns, where meetings have been held.

It is, Sir, a deplorable and much-to-be-regretted fact, that on this as on every other question the doings of the Pharmaceutical Council are treated with indifference, almost with contempt, by the overwhelming majority of chemists throughout the country. That Mr. Eberlin has not been able to make out a better case is no fault of his. The irresistible logic of facts is against him and every other supporter of the Council's claims. The figures of the Society's own financial statement rise up to confront and confute them at every turn.

Yours truly,

Nottingham. EDWARD GASCOYNE.

SIR,—To be the subject of an editorial in such an important and influential paper as THE CHEMIST AND DRUGGIST is almost enough to satisfy any man's ambition; but when the text upon which the article is based is a statement which the said man never uttered, then that man may metaphorically pat himself on the back and congratulate himself on being a power to be reckoned with.

In case the witty young member of your staff who wrote the editorial has forgotten what was in the report sent to you of the meeting of the E.C.A. and A.A., may I ask him to refresh his memory by again reading my remarks as they are printed in the *Pharmaceutical Journal*, pages 380–381, of the current volume? He will probably then be aware that he has grossly misrepresented me. I deny most emphatically that I said, "THE CHEMIST AND DRUGGIST'S criticism had been fully answered by the editorial in the *Journal* of March 20." I explained that the deficit on the *Journal* divided by the number of subscribers to the Society was rather more than half the subscription, and as it was the only tangible thing I got for my subscription, it did not matter to anyone though I paid even more for it than it at present cost. This shows you that I actually did "inquire for myself before opening a discussion." You have had an opportunity which, needless to say, you did not allow to slip, of criticising the arithmetic of at least two members of Council, and it must be conceded you had reasonable grounds for doing so; but in your wrath you apparently think that the man who now mentions cost of *Journal* must necessarily be mathematically weak. Now, I have no intention at present of entering the lists and "breaking a tree" with you on account of the Pharmaceutical Society, it is merely to gently, but firmly, correct you regarding what I actually said, and to have the implied stain on my arithmetical powers wiped out that I write this. I am, yours very truly,

GEORGE COULL.

[Our report was supplied through the usual official channels, and Mr. Coull must settle with his Association for taking liberties with his utterances. The note about which he refers was a criticism of figures and statements which he asked us to consider. We are sorry that in disposing of them we have upset Mr. Coull's equanimity.—ED. *C. & D.*]

Pharmaceutical Council Election, 1897.

Sir,—The following is a copy of a letter sent to each of the sixteen candidates in connection with the Proprietary Articles Trade Association :—

Dear Sir,—At a meeting of the Retail Section of our Council, at which there were present the following members :—

W. Jones, Chairman Midland Pharmaceutical Association Trade Committee
J. Cocks, Secretary Plymouth, Stonehouse, and District Chemists' Association
S. N. Pickard, Secretary Bradford Chemists' Association
H. W. Seely, Secretary Halifax Chemists' Association
J. Williams, Manchester
A. Cooper, South Kensington
W. R. Barnes, Upton Manor
T. P. Garrett, Newport
F. Rowsell, Secretary Exeter Chemists' Association
T. S. Wokes, Secretary Federation of Chemists' Association

—the undermentioned resolution was unanimously passed.

In accordance with that resolution I now write to ask you if you would be good enough to send me, for publication to our members, a letter, briefly setting forth your views on the P.A.T.A. movement.

Thanking you in anticipation,

I am, yours respectfully,
W. S. Glyn-Jones.

Resolution referred to.

That the Secretary should write to all candidates at the next election of the Pharmaceutical Council requesting their views upon the P.A.T.A. movement, for publication to the members of the Association, and that the members of the P.A.T.A. be urged to support those candidates whose replies were considered satisfactory.

Some of the candidates take exception, more or less, to our action as an association in approaching them. At first sight, the connection between the P.A.T.A. and the Pharmaceutical Council election may not appear a close one. We can assure the candidates, however, that a large section of their constituents are determined to use every legitimate means in influencing for good the cause of the P.A.T.A. We have always freely excused the Council of the Society, as a body, for any inaction in connection with the regulation of prices, on the ground that such work does not come within its province; but we have, at the same time, always urged that the individual members of the Council should be men who feel keenly the absolute need for curbing the iniquitous competition which is ruining so many of their fellow-pharmacists. Our supporters will, we think, see to it that only those candidates receive their votes who, in their individual capacity as retail pharmacists, or proprietary-article owners, leave no stone unturned in supporting the movement in favour of living profits. We want councillors whom we can trust to look for opportunities of furthering the interests of the rank and file of the trade as against the cutting companies, rather than those who would seek an excuse for neutrality or inaction on frivolous grounds. The retail section of our Association is justified in requesting our members to bring every possible influence to bear which is calculated to assist the movement. Members of the Pharmaceutical Council would, we think, be the last to deny that, as leaders of the trade, they exert an influence upon the opinions formed by the trade in general on all subjects affecting its trading-interests. Hence another reason for furthering the candidature of P.A.T.A. supporters only. Twelve favourable replies to our letter have been received. No replies have reached us from Messrs. Carteighe, Hyslop, Savory, and Southall. Though no letter has been received from Mr. Southall, it is only reasonable to reckon him amongst our supporters, as Messrs. Southall Brothers & Barclay are members of our Manufacturers' Section. Mr. Hyslop's views on the subject are well known. He has openly avowed his antagonism, having led the abortive attack on the Association at the meeting of the western chemists. Mr. Hyslop is doubtless a gentleman of ability, whose utterances on pharmaceutical topics are sometimes instructive and always entertaining. From the point of view of the P.A.T.A. voter, however, a more undesirable candidate could hardly be obtained. We regret having to oppose the election of such well-known councillors as Messrs. Carteighe and Savory. Not for one moment would we gainsay the good work accomplished by these gentlemen in the past, but we must ask our members not to allow any such consideration to outweigh their obvious duty in the matter. The fact of a request for an expression of opinion, signed by such representative pharmacists, being completely ignored, leads us to the conclusion that Messrs. Carteighe and Savory are not our friends. It is significant that, of all the candidates, these two gentlemen are the two most directly interested, as owners of proprietary articles—namely, Dinneford's Fluid Magnesia and Savory & Moore's Infants' Food.

The sympathies of the following thirteen candidates are with the P.A.T.A., and we would, therefore, respectfully urge all our well-wishers to confine their support to these candidates only :—

*Mr. C. B. Allen	*Mr. J. Harrison
Mr. S. R. Atkins	Mr. W. Martindale
Mr. A. Bottle	*Mr. C. J. Park
*Mr. A. S. Campkin	*Mr. A. Southall
Mr. O. Corder	*Mr. J. R. Young
*Mr. N. M. Grose	*Mr. W. Warren
Mr. R. Hampson	

* Members of the P.A.T.A.

We trust that this appeal to the mutual supporters of the Pharmaceutical Society and of the P.A.T.A. will not be construed by any reader into an attack upon the Society. On the contrary, it affords the best evidence of our desire that it should receive the support of every member of the craft, and to this end—that the members of its Council should be men who are in the closest sympathy with the everyday wants of the drug-trade.

I am, Sir, yours respectfully,
2 and 3 Stonecutter Street, London, E.C., May 3. W. S. Glyn-Jones (Secretary Proprietary Articles Trade Association).

Sir,—There is a move to force on the Council more London members without any thought of their fitness for it.

It does not follow because a man resides in London his attendance is better than a country member.

The London men proposed for the Council are not known as specially qualified for the work, whereas Mr. Campkin, of Cambridge, would be a powerful addition—he being a man well up in committee work, Council, and parliamentary business, and as he resides within 75 minutes' ride of London, he may be almost called a London member.

This is the third year of his nomination, and, I think, the best man outside the Council, and, although I know little of him personally, I hope he may be elected.

Truly yours,
Hampstead. Arthur Sangster.

The Irish Drug-contract System.

Sir,—It is not necessary that I should dilate on the prevalence of drug-contract frauds in Ireland at greater length than to testify, from long and intimate knowledge, that everything said by your correspondents as to the corruption of the traffic falls far short of the truth. For thirty years every commissioner of the Local Government Board, every one of its inspectors, every clerk of Union, every pharmaceutical trader, and the great majority of the Guardians and the doctors have been fully aware of the prevalence of this dishonesty. Fortunes have been made, suburban estates purchased, and villas maintained in magnificence upon the profits—for all of which the Irish ratepayers have paid; and yet the Local Government Board would not stir a hair's breadth to stop the roguery. They did, indeed, seek to make use of the outcry against the system to effect a monster personal job, to provide with a lucrative post an effete apothecary (who had influence behind him), and to make him "Apothecary-General" of a big central drug-store from which all Union supplies were to be drawn, the drug-traders being entirely ousted. When defeated in this scheme the Local Government Board took umbrage, and from that day to this refused to stir a finger to protect the Irish ratepayers or the sick poor against the system now in working.

Everyone is in agreement as to the method of the needful reform except the Local Government Board and the Treasury, which demurs to finding the needful money. The requirements are threefold—

(*a*) A central drug-expert, not a pure chemist, to examine samples brought to him by his travelling inspectors, and to look after the tenders, so as to ensure that the prices charged are not excessive.

(*b*) Say four peripatetic inspectors, one for each province, who would call in unexpectedly at workhouses and dispensaries, see whether the medicines were properly cared for and provided in proper quantity, and take sealed samples for submission to the central drug-inspector.

(*c*) Power to the Local Government Board, upon report of their drug-inspector, to order prosecution of a contractor by the Guardians for breach of contract in supplying inferior drugs; and also power to direct that a contractor found guilty of such breach should be debarred from future contracts.

I desire to point out that the contractor is not the only person who needs to be watched. The Guardians who allow the medicines to be housed in a damp roadside shanty with no fire and the rain dripping through the roof, and the doctor who orders, at haphazard, large quantities of drugs which grow mouldy and are thrown out, both require the peripatetic inspector to look after them.

With the small additional staff which I suggest, and which need not cost more than 1,500*l.* a year, the existing scandal might be put an end to and ten times the amount saved to the ratepayers. The suggestion that the work I have indicated should be done by the existing staff of inspectors is rank nonsense. The staff is already much do small for its multifarious functions; most of the inspectors have no medical or pharmaceutic knowledge whatever, and, as a matter of fact, the rascalities of the existing system have been perpetrated under their noses for a long series of years, without being exposed if discovered.

I earnestly trust that you will not drop this subject until you have extinguished a system which has besmirched the commercial honesty of the pharmaceutists of Ireland.

I am, Sir, yours very truly,

ARCHIBALD HAMILTON JACOB, M.D., F.R.C.S.I.,
Ex-President Irish Medical Association.

Dishonest Belladonna-plasters.

SIR,—A circular with this heading and containing an extract from an article on "Belladonna-plasters," by J. Rutherford Hill, in your issue of January 23, 1897, is being distributed by an American firm, whose plasters formed "the only two rubber combination plasters containing atropine, and these were of American manufacture." We are no doubt greatly indebted to our American friends for many improvements in pharmaceutical preparations, and willingly yield them our warm admiration.

Mr. J. R. Hill appears to have been unfortunate in his selection of belladonna-plasters upon which to operate, inasmuch as we can say for ours that they do contain, in the words of an eminent chemist, "atropine in considerable quantity," and that the "extract employed is one of full alkaloidal value." We have no reason to doubt that other manufacturers can maintain the merits of theirs, and our wonder is from whence the "seven samples" operated upon by Mr. Hill came; and whether they may not have been one and all the production of one manufacturer. We are willing to let anyone interested see the analytical report upon our belladonna-plasters, which we have had made for our own satisfaction, and which fully establishes our position.

We are, yours faithfully,

Aldersgate Street, LYNCH & CO. (LIMITED).
London, E.C., April 30.

Corrugated Paper.

SIR,—Among the minor conveniences introduced in the Queen's reign for the benefit and convenience of the busy chemist and druggist is the article known as corrugated paper, with which most of your readers are no doubt familiar. It has often occurred to me that this very convenient packing would be cut more accurately, and with less trouble to the operator, if the back had longitudinal lines marked on it, say, 1 inch apart, or a very fine scoring would answer the same purpose. As it is, to get an accurate length for either lining tops or sides of boxes, &c., or for wrapping round bottles, it is necessary to rule a line the required width. Possibly some other of your readers may agree with this suggestion, and if so the makers would no doubt soon come to the rescue.

Faithfully yours,

9 Alexandra Road, Newland, WM. BOUSFIELD.
April 27.

2*d.* Booking.

SIR,—I wrote you a few weeks ago on the 2*d.* booking-fee; may I claim a few more lines of your space? I suggested in my letter that the Council of the P.A.T.A. might take it in hand. I have received a letter from their Secretary, Mr. Glyn-Jones, informing me that my suggestion *re* the deputation will be considered at the next meeting of their executive. Now, if chemists who are members of the P.A.T.A. will press their views on their local representatives we shall soon have the fee disposed of. The agitation has already been beneficial, for a large firm have offered to take the contracts at much lower prices if a certain amount of support is guaranteed in each town. I think this only requires to be known, and the booking-fee will soon be obliterated.

Yours sincerely,

31 St. James' Road, Halifax, HENRY BELL.
May 1.

Mr. Charles Ledger's Pension.

SIR,—On May 4 (my seventy-ninth birthday) I received a note from the Dutch Minister for the Colonies informing me that an annuity of 1,200 guilders had been awarded to me, payable quarterly at Melbourne by the Consul-General for the Netherlands there. There can be no question as to the power of your generous advocacy of my appeal to the Government of the Netherlands, and I very gratefully thank you for your kind support. To my dear old friend, Mr. M. G. Mulhall, I feel also indebted for timely and valuable support.

Had the Government given me a lump sum of money—say, 500*l.*—in lieu of annuity, I should have gone to South America, so as to end my days among my children and grandchildren. As matters are I must remain where I am, affectionately attended to by a nephew, niece, and family. I came to this colony after being for twenty years in South America with my second wife. We only came back after all my daughters had married and left their parental home.

I was very sorry that in your article of January 3 I appear as having been almost a pauper for years. Although I never possessed affluence, yet I was always able to have every comfort. My small farm at Goulburn cost me in 1884 1,250*l.* I had nearly 3,000*l.* in four financial institutions, deposited at 7 per cent. interest. I had to mortgage the farm in 1892 for 500*l.*, and, owing to depreciation in values, would barely fetch now the 500*l.* In 1891 I was offered 1,800*l.* by two parties for it. The four societies are in liquidation under Court; they hold valuable assets, not realisable under present rates. Some day my heirs will obtain dividends. Also, I ran no risks whatever in getting the cinchona-seed. I simply knew "what was wanted, where it was, and how to obtain it." My servant, Manuel, ran all the risks. I simply set the machinery to work, greasing the wheels with nearly 600*l.*—a sum of money I would not then have spent had I anticipated being obliged to do so. I am sorry to tell you my children suffer insult and great annoyance by my having, as the Bolivians say, destroyed a trade employing 20,000 persons, and depriving many of fortune, as also the Government of export-duty amounting to $50,000 annually. I beg of you to kindly place me in my true position before the public, and, for the last time, I trust, to encroach on your kindness.

Again thanking you for all your generous support and advocacy, I remain, Yours very gratefully,

C. LEDGER.

39 Wellington Street, Newtown, Sydney, N.S.W.,
March 15.

The Sunday Customer.

SIR,—Last Sunday a lady came for a tin of Brand's essence of beef, for which she was charged 1*s.* 3*d.* Two days later her servant brought a tin back, saying that as she had not required it, would we take it back. Noticing, however, that the tin did not bear my slip-label, I questioned the girl, who admitted that her mistress had used the tin she had from

me on the Sunday, and then had bought one from the grocer for 1*s.* 2*d.* to return to me, thus saving 1*d.* on the transaction. Needless to say she did not gain her point.

Yours truly,

March 23. ANTI-CUTTER.

DISPENSING NOTES.

This section is intended for the elucidation of dispensing difficulties. Subscribers and their employés may contribute to it, criticising any of the following notes or contributing notes on prescriptions which they have found to be of unusual interest.

What is Tr. Quin. Co.?

SIR,—When tr. quinæ co. is ordered, should the ammoniata be dispensed or tr. quinæ, P.B.?

Faithfully yours,

April 26. RELTUB. (106/62.)

Tr. Ratanh. Salol.

SIR,—This is very likely a dentist's prescription, and means a formula like the following:—

Tinct. ratanh.	30·0
Spt. vini	30·0
Salol...	2·0

M. et S.

To be used as a mouth-wash.

Yours faithfully.

Naples, April 19. J. DURST.

A Foreign Prescription.

113/37. *W. D. G.*—Your copy is bad, but the original seems to be—

Kali brom. ...	2 gr.	[Pot. brom. ...	ʒss.]
Aq. fl. aurant....	150 gr.	[... ...	℥iv. ʒvj.]
Sir. diacod. ...	40 gr.	[Syr. papav. ...	℥j.]

M.

The directions are too badly copied to be decided about, but we think they are:—

"Cuill. à soupe par 2 hrs."

[A tablespoonful every two hours.]

LEGAL QUERIES.

We do not give legal opinions by post. Information regarding most legal matters in connection with pharmacy will be found in THE CHEMISTS' AND DRUGGISTS' DIARY *and in "Pharmacy and Poison Laws of the United Kingdom," and Alpe's "Handy-book of Medicine-stamp Duty."*

111/16. *Hants.*—In the event of an assistant making a mistake he may be personally liable to a criminal action if gross carelessness or negligence can be proved against him, but his employer would in any case be civilly responsible.

111/13. *Hiram.*—You had better quietly remonstrate with the doctor, first by letter, keeping a copy of your letter, showing how likely he is to do you an injury. If he continues his attacks on you after that, you should get a solicitor to write to him. He is not justified in making a malicious use of the incident.

111/11. *C. E. W.*—B was the owner of the carboy and its contents if it was delivered to a railway company on his instructions, he to pay the carriage.

112/2. *W. H.*—The railway company are not bound to give you credit for the carriage of goods; but if it should turn out that they are mistaken in assuming that the goods were not carriage paid to destination, you could recover from them such damages as you could satisfy a Court had accrued through the detention.

111/58. *Suspicious.*—It is absolutely essential that the purchaser of an article who intends to have the same analysed with a view to proceedings under the Sale of Food and Drugs Act should give notice of that intention to the vendor as soon as the purchase is complete, and before he leaves the shop. He must also offer to divide the purchase into three parts and leave one with the vendor. This offer should invariably be accepted.

111/38. *Foreign Subscriber.*—The sale of diluted pyroligneous acid for vinegar in the United Kingdom has been repeatedly held to be an infringement of the Sale of Food and Drugs Act.

113/31. *W. & Co.*—The question is entirely one of evidence. From your statement it would seem that A was B's authorised agent, and that you were therefore justified in paying the account to him. We do not know what evidence B might offer against this, but you had better leave him to sue you.

111/4. *Dubitus.*—An unqualified person may keep a "cash drug-store" if he sells no poisons.

Referring to a reply under "Legal Queries" last week, the Maltine Manufacturing Company state that the word "Maltine" is their registered trade-mark.

MISCELLANEOUS INQUIRIES.

Notice to Querists. *We reply to our subscribers and their employés only; queries must, therefore, be authenticated by the name and address of the subscriber. When more than one query is sent write each on a separate piece of paper. When a sample accompanies a query full particulars regarding the origin and use of the sample must be given, and the name of the querist should be placed on the sample. Queries are not replied to by post.*

98/60. *C. C.* (Preston).—**Liquid Cochineal.**—We do not know any formula which yields a better preparation than the following:—

Silver grain cochineal, in coarse powder ..	ʒij.
Carbonate of potash	ʒiij.
Glycerine	℥viij.
Boiling distilled water	℥xxiv.

Mix the cochineal and carbonate in a large jar with the glycerine; pour on the boiling water, and stir well; then add a mixture of—

Powdered potash alum	ʒij.
Cream of tartar	ʒiij.

This should be added gradually (about ʒij. at a time), and the mixture stirred well. When it cools, filter and reserve the filtrate. Wash the filter with salicylic-acid water (1 gr. to 1 oz.) to get away as much of the colour as possible, and evaporate this second filtrate to such a bulk that the residue and the reserved filtrate will, when mixed, measure 32 oz.

99/32. *Sigma.*—We only reply to subscribers and their employés.

100/6. *Rhei.*—The permanganate of potash in the varnish spoils it. Omit that and put 1 oz. of Venice turpentine in its place.

184/97. *Ignoramus.*—**Work on Pharmacology and Therapeutics.**—Dr. Lauder Brunton's is the most comprehensive and valuable English work. It is published by Macmillan at 25*s.* Dr. W. Murrell's book is as good as far as it goes, and this may be far enough for you. The book is published by Baillière at 10*s.* 6*d.* See *C. & D.*, June 13, 1896, page 840.

101/35. *R. H.*—**The Spectacle-trade.**—The article on this which you refer to appeared in the *C. & D.* DIARY for 1882. We have published various notes since, but none so comprehensive as the foregoing. You will find "The Optician's Handbook" (*Optician* offices, 3*s.* 6*d.*) useful.

100/63. *Inquirer.*—We do not think it possible to advise you until we have full particulars of the manner in which you produce the soap. We asked you for the formulæ, but you only send us the names of the fats which you use. We think your best course on the whole will be to take a soap-analyst into your confidence. That may cost you twenty guineas or so, but as far as we can judge from your letters, personal inspection of your methods seems to be necessary.

101/18. *Benzoin.*—See the DIARY for a formula for a preparation similar to chillie paste.

102/15. *Lemon.*—**White Patch on a Black Horse.**—Sponge the part with weak solution of ammonia to remove grease, then apply a saturated solution of nitrate of silver, and follow it by a solution of pyrogallic acid ʒj., sulphurous acid ʒiij., and solution of ammonia q.s. to neutralise. Apply this pyrogallic solution several times, and repeat the silver and pyrogallic until you get the desired shade.

105/44. *Perplexed.*—Whether to go to South Africa before you get an engagement or with one depends on your wealth. If you can go out and afford to wait and look about you, that is the course we should advise: but if you want to be safe, you had better get an engagement from here before you take chances there.

105/24. *J. H. W.*—**Vanishing Ink.**—Write with a weak solution of iodine on a well-glazed paper.

106/17. *Sherriff* is referred to the DIARY for a formula for beef-suppositories.

107/35. *Sizzle.*—**Golden Ointment.**—It is customary to give ung. hyd. ox. flav. for pennyworths of this, but the original ointment is made with levigated red oxide of mercury. An analysis made twenty years ago showed the contents of the pot to be 56 gr., 6·7 gr. of which was hydrarg. ox. rub. and the rest fat.

108/62. *North Post.*—The above replies to one of your questions; replies to others are in type, but we cannot find room for them to-day.

107/33. *Wood.*—We have not a formula for Guy's tonic. Your competitor must know that the sale of any preparation of his own as the above is a fraud.

107/21. *J. W.* (Birmingham).—**Henna Hair-dye.**—We have been unable to obtain specific information regarding the manner in which henna is used by specialists; but as far as we are aware no mordant is employed, the decoction, liquor, or tincture being applied to the recently-washed hair, and followed by ammonia if a dark colour is required; then by an oil-dressing.

103/14. *Mot.*—Your cough-mixture is good, and you should not alter it. Allow it to settle, and decant the clear mixture before bottling. We inquire about the other matter.

107/49. *Ison & Son.*—**Hair-tonic.**—We have not the slightest idea what the preparation is made of, never having examined it.

101/45. *C. P. A. P. C.*—**Lime-cream:**—

Ol. nucis	Oiv.
Aq. calcis	Oiij.
Liq. calcis sacch.	℥iv.
Ol. limonis	℥ss.
Ol. bergamot....	ʒj.
Ol. neroli	♏vj.
Ol. cinnamomi	♏vj.

Mix the aq. calcis and liq. calc. sacch., and add to the oil contained in a 2-gallon jar; shake vigorously for about an hour. Allow to stand for a few days, and if any oil has separated, add a little more liq. calc. sacch., and again shake; add the essential oils, and allow to stand for a week, shaking occasionally; then bottle.

This is good and cheap.

101/61. *Edwards.*—We are not "up" in hypnotism, and cannot tell you what are the best books on the subject.

101/57. *Hopeful.*—**To Get Rid of the Bugs** paint or spray all the chinks and crevices in the room with a mixture of ung. hydrarg. fort. ʒj. and ol. terebinth. ℥xvj. This rarely fails. Sulphur is useless.

101/41. *E. D. J.*—**Cotton in Wool.**—A fair idea of the amount of cotton in wool fabric can be got by boiling a bit of the fabric in liq. potassæ. The wool dissolves, and after washing and drying the residue you can judge of the amount of cotton in the cloth.

101/5. *Ebor.*—**Manicure-powders.**—You do not say which you want. The nail-polishing powder is putty-powder tinted with carmine and perfumed.

100/36. *Colourless.*—**Dark Liq. Bismuthi.**—Filter through animal charcoal.

102/58. *L. L.*—**Filtering Meat-and malt Wine.**—This wine is best allowed to settle, which takes several weeks; then decant the clear wine, and filter the foots through a linen-twill filtering-bag, returning the filtrate until it comes away quite clear.

102/53. *Disease.*—**Book on Venereal Diseases.**—The only cheap book which meets your wants is Professor Campbell Black's "Functional Diseases of the Urinary and Reproductive Organs" (Churchill, 5*s.*).

102/54. *Hot.*—**Sarsaparilla-wine** to sell at 1*d.* per glass.—Perhaps someone who sells this will tell us how it is made.

105/61. *J. D.*—**Shampoo-fluid:**—

Liq. ammoniæ	ʒj.
Aq. coloniensis	℥j.
Sapon. mollis...	℥ss.
Spt. rectificat.	℥vj.
Aq. ad	Oj.

Dissolve the soap in the spirit, add the rest of the ingredients and filter

We do not understand your reference to cod-liver oil emulsion. If of importance, please explain.

NOTE.—We have still a large number of replies in type which we have not been able to find room for.

INFORMATION WANTED.

The Editor will be obliged for replies to the following from any who can furnish the information.

105/26. Address of makers of cheap cameras for boys (3*s.* 6*d.* upwards).

103/14. What is "The Mixed Tinctures" sold in Wales at 1*s.* 2*d.* per oz., and which smells of asafœtida?

114/23. Large enamelled letters suitable for a sign: where obtainable?

114/22. Small horn or celluloid spoons to hold one or two grains of saccharin: who makes?

Coming Events.

Tuesday, May 11.

Royal Institution, at 3 P.M. Dr. Tempest Anderson on "Volcanoes" (Tyndall Lecture III.).

Royal Photographic Society, 12 Hanover Square, at 8 P.M. "Portraiture," by Harold Baker. Mr. Rogers, of Watford, will show his acetylene-burner for portraiture.

Wednesday, May 12.

Midland Chemists' Assistants' Association. Annual meeting in Exchange Rooms, Birmingham at 9 P.M.

Thursday, May 13.

P.A.T.A., Brighton Grand Hotel, at 8·30 P.M. Meeting under the auspices of the Brighton Association of Pharmacy. All chemists residing in Brighton and surrounding district invited. Mr. Glyn-Jones and other P.A.T.A. representatives will be present.

Royal Institution, at 3 P.M. Professor Dewar on "Liquid Air as an Agent of Research" (Lecture III.).

Friday, May 14.

Royal Institution, at 9 P.M. Professor Harold Dixon on "Explosion—Flames."

LIQUOR CARNIS

(CAFFYN).

"Liquor Carnis is not an improved meat extract, but a beef juice pure and simple. That is to say, it is a substance *different in kind from all the meat extracts and essences.* It is not a cooked product, but is perfectly raw; and it is the *pure juice of beef*, exactly as the fluid which is squeezed out of a grape or an orange is the juice of the orange or grape.

"Great improvements have been made by covering the raw meat flavour."—*British Medical Journal.*

"Rich in Albuminoids and possessing the power of almost immediate absorption, it has the distinct merit of being a highly nutritious flesh, bone, and tissue-forming food, that practically requires no digestion."—*Lancet.*

THE LIQUOR CARNIS CO. (of LONDON), ASTON CLINTON.

CRYSTAL PALACE JOHN BONDS GOLD MEDAL MARKING INK

CHEAPEST, BEST, AND MOST SALEABLE ARTICLE IN THE MARKET.

GIVEN AWAY and enclosed with every 6*d.* and 1/- Bottle a voucher entitling Purchasers to their Name or Monogram Rubber Stamp for Marking Linen, Stamping Paper, and also FREE with enlarged 1/- Blue Wrapper Ink an Improved Linen Stretcher. NO EXTRA CHARGE WHATEVER.

PLEASE DISPLAY IN WINDOW AND COUNTER, AND YOU WILL FIND YOUR SALE INCREASED TENFOLD.

Wanted, particulars from those issuing Lists and Annuals for which Advertisements are taken.

WHOLESALE & EXPORT DEPOT:—75 SOUTHGATE ROAD, LONDON, N.

LARGEST SALE OF ANY MARKING INK IN THE WORLD.

VINOLIA SOAP IN 36 TAB. BOXES.

MORE PROFIT FOR RETAILERS.

Light Wooden Boxes of Vinolia Soap are invoiced to the trade at the following prices, subject to the usual $7\frac{1}{2}\%$ and $2\frac{1}{2}\%$ (10% in all) for £1 orders.

	Trade Prices per 3 doz. tabs.
Unscented	8/-
Premier	8/10
Blondeau Cold Cream Soap	9/-
,, Cucumber and Glycerine Soap ...	
Floral	13/-
Balsamic (Medical)	17/-
Otto (Toilet)	21/6
Medicated Soaps:— Sulphur, Carbolic, Terebene, Coal Tar	8/8

Carriage paid on all orders amounting to £2 net.

BLONDEAU ET CIE., Malden Crescent, LONDON, N.W.

CRESCENT

BRAND.

BICARBONATE OF SODA,

REFINED AND RECRYSTALLIZED.

PURE AND CHEAP.

ANALYSIS.

Bicarbonate of Soda	97·20
Mono Carbonate of Soda	1·90
Sulphate of Soda	trace
Chloride of Sodium	·035
Moisture	·82
Insoluble	nil

PURE ALKALI,

GUARANTEED 58 DEGREES.

EQUAL TO 98 PER CENT. OF CARBONATE OF SODA.

Most economical form of Soda for the use of Printers, Bleachers, Dyers; Glass, Paper, and Soap Makers.

CONCENTRATED CRYSTAL SODA

(Sesqui-Carbonate).

By far the Purest and Cheapest form of Washing Soda.

Only 1 lb. of Concentrated Crystal Soda required to do the work of 2 lbs. of Washing Soda

SODA CRYSTALS

OF THE FINEST QUALITY.

CAUSTIC SODA. BLEACHING POWDER.

BRUNNER, MOND & CO., LIM.

Manufacturers of Soda by the Ammonia Process,

NORTHWICH, CHESHIRE.

BAISS BROS. & CO.

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JEWRY STREET, LONDON, E.C., & NEW BROWN STREET, MANCHESTER.

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Telephone No. 4369.

Established 1833.

"SPECIAL PERFUMES." Unsurpassed.

CONCENTRATED LIQUORS.

Solid—**EXTRACTS**—Liquid. B.P. and U.S.P.

COD LIVER OIL, Finest Norwegian Non-congealing, 1897.

EXT. MALT AND EXT. MALT AND COD LIVER OIL.

Granular Effervescent Salts.

ESSENTIAL OILS, English & Foreign, of Finest Quality.

Oil Lavender, "Special." Essence Lemon, "Special," 1896.

Makers of all Pharmaceutical Preparations.

SPECIAL PREPARATIONS.
PILLS, COATED and UNCOATED.

SEE OUR PRICES CURRENT, sent on application.

Quarterly Therapeutic Review.—Record of all published New Remedies. Issued January, April, July, and October. Sent free on receipt of business card.

DUNCAN, FLOCKHART & CO.

EDINBURGH and LONDON.

GELATINE CAPSULES (*1,000* Varieties).

CASCARA CAPSULES. EASTON SYRUP CAPSULES.

GREGORY POWDER CAPSULES.

BLAUD PILL CAPSULES.

We guarantee our One, Two, and Three Pill Capsules to be equal respectively in Ferrous Carbonate to one, two, and three freshly-prepared Blaud Pills. They have also this distinct advantage over Pills, that they neither oxidise nor harden.

London Branch: 38 & 39 SNOW HILL, E.C.

Telephone No. 65282, Holborn.

EFFERVESCING

CITRATE of MAGNESIA

TO BUYERS.

OUR Manufacture of this article has met with all-round commendation from our Customers, and, judging by the increased demand last season, has met with a ready and quick sale. We are confident that your trade may be largely increased if you buy a good article which gives satisfaction to all. As a basis we take the British Pharmacopœia formula, but, owing to the desire of the public for a more palatable article, we prepare four kinds, indicated by the letters A, B, C, and D, each having the proportion of sugar varied according to the price.

"A" QUALITY. Very Superior.
BLUE LABEL. Per lb. 10d. Per cwt. 85s.

"B" QUALITY. Superior.
PINK LABEL. Per lb. 9d. Per cwt. 68s.

"C" QUALITY. Very Good.
YELLOW LABEL. Per lb. 8d. Per cwt. 62s.

"D" QUALITY. Good Saleable.
WHITE LABEL. Per lb. 7d. Per cwt. 56s.

Also put up in 1-lb., ½-lb., and ¼-lb. Round Blue Bottles, corked, or in 6-oz. and 8-oz. Blue Flats, lettered, patent stoppered or wood top corks.

FRUIT SALINE.

In 6-oz. and 8-oz. Patent Stoppered Bottles, each enclosed in a cartoon, and covered with an elegantly designed wrapper, without name,
6s. 6d. and 8s. per doz.
(Buyers of 3 doz. of either size can have their name and address on label without extra charge.)
In 6-oz. and 8-oz. White Glass, without wrappers and cartoons,
3s. 9d. and 5s. per doz., 42s. and 54s. per gross.
(Lemon, Lime Fruit, or Raspberry flavour and tint if desired.)
Also in 4-oz. Tins,
3s. 6d. per doz., 30s. per gross.

	Per lb.	Per cwt.
CITRATE OF MAGNESIA, Raspberry Flavour, tinted	1/-	70/-
" " *Lime Fruit Flavour*	1/-	70/-
" " *Lemon Flavour, tinted*	1/-	70/-

SAMPLES and FULL PRICE LIST **FREE** on RECEIPT of POSTCARD.

T. HOWARD LLOYD & CO., Wholesale Manufacturing Chemists & Druggists,

86 HIGH STREET & TOWN HALL LANE, **LEICESTER.**

"EDME"

PURE MALT EXTRACT

RICHEST IN DIASTASE. PURITY & KEEPING QUALITIES GUARANTEED.

THE LANCET says:—"This preparation proved to be a highly concentrated and active malt essence. It possesses a rich malty flavour, and acts **powerfully** upon starch, **converting it rapidly into maltose.** It is, therefore, well adapted for use as an aid to the digestion of starchy foods, whilst furnishing also important food constituents."

THE BRITISH MEDICAL JOURNAL says:—"It is of pale amber colour and good consistency. When tested with gelatinised starch it converted **FIVE TIMES ITS OWN WEIGHT IN FIVE MINUTES** at a temperature of 100° F. This result shows that the Extract has a **very high diastasic power,** and it therefore would be extremely efficacious as a medicinal agent where the use of an aid to the digestion of amylaceous food is indicated."

THE PHARMACEUTICAL JOURNAL says:—"This preparation is one which is not as well known to the retail chemist as some that could be mentioned, but examination of it shows that it **possesses claims which entitle it to extended patronage.** The result of the test proves the extract to be of **UNUSUALLY HIGH DIASTASIC VALUE,** and it is equally satisfactory in other respects."

Samples on application to the

ENGLISH DIASTASIC MALT EXTRACT CO., LTD.

MISTLEY, ESSEX.

LOFTHOUSE & SALTMER,

MANUFACTURING CHEMISTS, WHOLESALE & EXPORT DRUG MERCHANTS, HULL.

Manufacturers of Granular Effervescent Preparations. We shall be glad to give specially favourable quotations, and send samples of our superior Nos. 1, 2, and 3 qualities of **CITRATE OF MAGNESIA.**

Importers of Cod-liver, Castor, and Olive Oils; Extra Super Essence of Lemon and Bergamot. Otto de Rose, and all

Essential Oils; Valentia Saffron; Vanillas; Fruit Essences; Carmine, Aniline Dyes; Bees' Wax, &c., &c.

MANUFACTURERS of Very Superior Flexible Gelatine Capsules of Balsam Copaiba, Cascara Sagrada, Castor Oil, Cod-liver Oil, Santal Oil, and **Blaud's Pill Capsules,** equal to 1, 2, and 3 pills. Samples and Lowest Quotations per 1,000, or in Boxes for Retail, will be sent on application from either the Wholesale or Retail Trade.

COD LIVER OIL

"HENRIKSEN & CO.'S" Brand.

Guaranteed Pure. Very Finest **1897** *Lofoden Non-freezing.*

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Sole Agents for the United Kingdom and Colonies.

"HENRIKSEN & CO." are actual Manufacturers, & were awarded Gold Medals at the Tromsö Exhibitions in **1870** and **1894.**

39

TO THE MEDICAL PROFESSION AND CHEMISTS.

Owing to misapprehensions as to the amount of morphine used in the preparation of

Mrs. WINSLOW'S SOOTHING SYRUP,

we wish to state that the amount is one-eighth (1/8) of one grain to a fluid ounce. As there are eight teaspoonfuls to an ounce, the amount of morphine in a teaspoonful, our maximum dose, is one sixty-fourth (1/64) of a grain.

It will be seen that this is very much less than the quantity used in other preparations authorised by the Pharmacopœia.

The Anglo-American Drug Company (Lim.),
W. RENAUD, Managing Director.

33 Farringdon Road, London.

BAYER'S PHARMACEUTICAL SPECIALITIES.

TRIONAL. Absolutely safe and efficacious Hypnotic. Dose: 15 to 20 grains.
SOMATOSE. An important nutrient and invigorant, especially for Convalescents, Invalids, Phthisis, Chlorosis Carcinoma ventriculi Rachitis.
IODOTHYRIN. The active principle of the Thyroid Gland.
SALOPHEN. A Specific for Headache, Influenza, Acute Muscular Rheumatism.
TANNIGEN. Acting promptly in Chronic and Acute Enteritis, especially for Children.
LYCETOL (Tartrate of Piperazine). Antilithic, Uric Solvent.
SYCOSE. The purest Artificial Sugar, free from para acid.
EUROPHEN. A perfect substitute for Iodoform, odourless, and non-toxic. *Special indications:* Ulcus Molle, Papul. Madid., &c.
ARISTOL. An excellent cicatrising agent. *Special indications:* Burns, Ulcus Cruris, Parasitical Eczema, Ozæna,

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Wholesale Depot for all "Bayer's" Drug Specialities:

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Also at Manchester, Glasgow, and Bradford.

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PEAKE, ALLEN & CO.

CHEMISTS, DRUGGISTS, AND GENERAL MERCHANTS,

LUCKNOW, OUDH, INDIA,

Possess exceptional facilities for the introduction of NEW SPECIALITIES, Patent Medicines, Druggists' Sundries, Perfumery, &c.

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SUPPORT HOME INDUSTRIES.

A.D. 1777.

BUY KENT'S BRUSHES.

See pp. 209-12, Summer Issue; also Diary, 1897, pp. 160, 161, 162, 163.

TRADE MARK

REGISTERED.

POWDERED TARTARIC ACID

Guaranteed to pass the British Pharmacopœia Test.

Powdered Cream of Tartar, 99/100%

at UNDER *pro rata* price of the ABSURD British Pharmacopœia Standard.

Delivery free United Kingdom in suitable quantities. Samples and Prices from

KIRKPATRICK, BARR & GUTHRIE, 4 CULLUM ST., LONDON, E.C.

HEWLETT'S

LIQ. SANTAL FLAV. c. BUCHU ET CUBEBÂ

(THE ORIGINAL PREPARATION).

Dose—1 to 2 drachms diluted.

Packed for Dispensing only, in 10-oz., 22-oz., 40-oz., and 90-oz. bottles.

CAUTION.—The uniform success which has attended the administration of this remedy during the last twenty years has caused a host of worthless imitations to be offered to the Medical Profession. These imitations, whilst closely copying the title, utterly fail to approach the original preparation in quality, and only give cause to disappointment and failure.

To ensure obtaining this preparation, please write "LIQ. SANTAL FLAV. c. BUCHU et CUBEBÂ (Hewlett's)."

INTRODUCED AND PREPARED ONLY BY

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NEW YORK—20 CEDAR STREET. **MONTREAL**—30 FRANÇOIS XAVIER STREET.

NEPENTHE.

THE SAFEST AND BEST PREPARATION OF OPIUM.

PRODUCES NEITHER HEADACHE, SICKNESS, NOR CONSTIPATION.

PREPARED EXCLUSIVELY FROM OPIUM.

Although many new hypnotics and analgesics have been recently introduced, NEPENTHE still holds its position as THE hypnotic and sedative *par excellence*. "Nepenthe" is registered under the Trade Marks Act, and is our sole property. *No other preparation* should be substituted when Nepenthe is ordered in a prescription.

Sent out in bottles bearing a label in white letters upon a green ground. We prepare also *Double Strength Nepenthe*, and Glycerole of Nepenthe (eight times the single strength) for hypodermic injection.

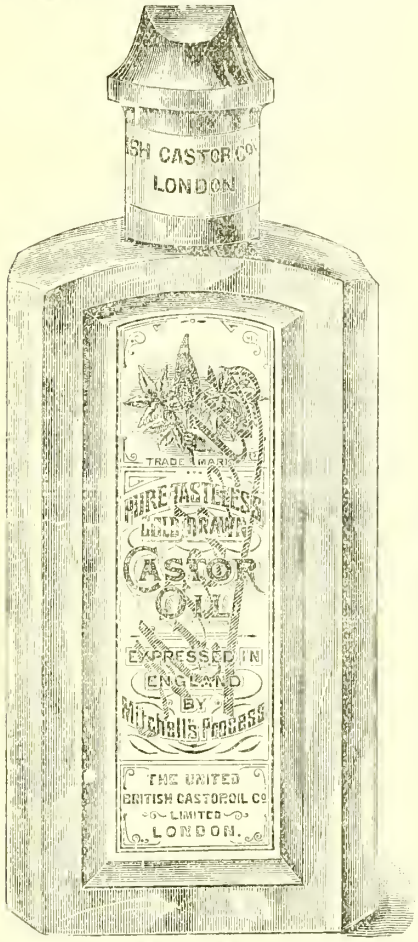
PRICES AND TERMS ON APPLICATION.

FERRIS & CO., WHOLESALE AND EXPORT DRUGGISTS, **BRISTOL.**

Mitchell's

CASTOR OIL

The *Lancet* of 8th June, 1895, says:—"MITCHELL'S PROCESS of extracting and refining Castor Oil is obviously an improvement which the profession cannot fail to approve and welcome, since in removing the great objection to the Oil—namely, that of repulsive taste, as well as in securing its full therapeutic effect—it is calculated to assist and to facilitate the administration of a very valuable therapeutic agent."



The *British Medical Journal* of 18th May, 1895, says:—"Castor Seeds have, unless very old, a pleasant nutty flavour, and the disagreeable taste of ordinary Castor Oil has been produced by the conjoint action of moisture, air, heat, and fermentative changes during the expression of the Oil from the Seeds and its subsequent treatment. An Oil can be obtained as pleasant to the taste as the fresh seed, if the expression is not assisted by artificial heat, and the Oil at once freed from impurities by filtration without heat, in vessels from which air is excluded, and bottled *in vacuo*. . . . By MITCHELL'S COLD PROCESS . . . the Oil thus obtained has a simple bland taste, resembling olive oil, the nauseous taste associated with the ordinary Cold Drawn Castor Oil being entirely absent."

The *Hospital* of 8th June, 1895, says:—"We have tested the samples sent us both clinically and chemically, and the results are excellent. . . . We have never yet met with an Oil that had not this taste till we tried Mitchell's . . . We consider this Oil the very best we have met with, and can cordially recommend its use to the profession."

Put up in 2, 4, & 8 oz. bottles, to be retailed at 6d., 9d., & 1s.

Also supplied in
WINCHESTERS at low prices, which will be forwarded on application.

FOR PARTICULARS AS TO DISCOUNTS, &c., APPLY

THE UNITED BRITISH CASTOR OIL CO., LTD.
OSSORY ROAD, LONDON, S.E.

42

READ THE FOLLOWING LETTERS

They Speak for Themselves.

Newcastle March 8, 1897.

GENTLEMEN,—I notice your Ad. in the *C. & D.* for Saturday last. Please send me a copy of your Price-list, &c. With reference to your offer regarding the saving you can give the trade, if your list is satisfactory I will give you an opportunity of verifying the same.

Yours truly, ———

Newcastle, March 11, 1897.

GENTLEMEN,—Your Price-list and Samples to hand. I must honestly confess your prices are really an eye-opener: if the goods are as satisfactory in quality as in price, I shall be pleased to do a good trade with you. Please send on the enclosed trial order at your earliest convenience, and oblige,

Yours truly, ———

Newcastle, March 27, 1897.

GENTLEMEN,—In reply to yours, I have pleasure in stating that I am perfectly satisfied with the goods I have received; the quality is quite equal to what I have previously had (and I have always been particular in buying the best of everything), and you are quite within bounds in stating that your prices are from 25% to 50% below the usual charges. If you continue to give the same satisfaction, I shall give you my entire trade in the lines you carry, which, though perhaps not a very big item with the retail chemist, your offer to pay carriage on small lots makes it worth any chemist's while to remember you for these goods. Nowadays, when there is so much competition to meet, one must watch the buying end closely, as you state in your Ad.

I am, Gentlemen, yours truly, ———

This is the Gist of over 100 Letters we have lately received.

Send your Name and Address, and we will put you in a position to say the same.

BROOK, PARKER & CO., WHOLESALE DRUGGISTS,
BRADFORD.

SCOTTISH ACID & ALKALI CO.

(LIMITED).

Mr. R. H. STEEDMAN, Managing Director.

MANUFACTURERS OF

RESUBLIMED IODINE,

PURE IODIDES of POTASSIUM & SODIUM,

IODOFORM,

Commercial Sulphuric Acid.

Registered Office—82 W. REGENT STREET, GLASGOW.
Works—Longford Chemical Works, KILWINNING, AYRSHIRE.
Sole Agents—KIRKPATRICK, BARR & GUTHRIE, 4 Cullum Street, LONDON, E.C.

Special Quotations on application.

HOLLOWAY'S PILLS & OINTMENT

Have the Largest Sale of any Medicine in the World.

MANUFACTURED ONLY AT

PROFESSOR HOLLOWAY'S ESTABLISHMENT,
78 New Oxford St. (late 533 Oxford St.), London,

And sold at 1s. 1½d., 2s. 9d., 4s. 6d., 11s., 22s., and 33s. each Box or Pot. Chemists and Druggists selling "Holloway's Pills and Ointment" can, on application to the above address, or to the Wholesale House with whom they deal, be supplied free of charge with Handbills and Posters with their name and address printed at foot.

Wholesale Terms see List of "Proprietary Articles" in most Prices Current

SPONGE IMPORTERS.

M. PETERSON & CO.

6 HOUNDSDITCH, LONDON.

FOR HOME FOREIGN, & COLONIAL MARKETS.

SOCIÉTÉ CHIMIQUE DES USINES DU RHONE, LYONS.

BACTERIOLOGICAL INSTITUTE.

LYONS ANTISTREPTOCOCCIC SERUM.

Prepared according to Dr. Marmorek's method exclusively by Doctors Mérieux and Carré, ex-Assistants of the Pasteur Institute, Paris. **Strength, 30,000 units, according to Dr. Roux.**

ANTIVENOMOUS SERUM, ANTIDIPHTHERITIC SERUM, & VACCINE LYMPH.

Specially prepared for use in Warm Climates.

THE LYONS SERUMS ARE OBTAINABLE THROUGH WHOLESALE DRUGGISTS.

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THOMAS TYRER & CO.

Chemical Works, Stratford, London, E. Established 1844.

"STERLING BRAND"

BISMUTH AND MERCURIAL PREPARATIONS,

ETHERS, PYROXYLINS, COLLODIONS,

And Chemicals for Scientific and Technical Purposes. [2]

Trade Mark

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CHEMICAL MANUFACTURERS,

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Works—MITCHAM and RAINHAM.

Telegraphic Address, "Valerianic London." *Telephone No.* 11402.

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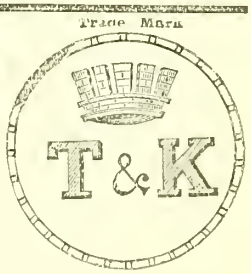

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SPECIALITIES—

ACIDS—HYPOPHOSPHOROUS, PHOSPHORIC, s.g. 1.750 and 1.500, and Valerianic.

AMMONIA—Liquid, ·880, Nitrate, and Valerianate pure dry Crystals.

ANTIMONY—Crocus, Oxide 98 per cent., Sulphide, Golden Sulphuret, and all Antimonial preparations

ESSENCES—Apple, Pear, Pineapple, Raspberry, and Strawberry, and all Fruit Essences.

HYPOPHOSPHITES—Baryta, Iron, Lime, Magnesia, Manganese, Potash, and Soda.

ESSENCES OF LEMON, BERGAMOT, & ORANGE, absolutely genuine; unadulterated.

A Most Powerful, Absolutely Non-Poisonous, Non-Irritant, & Convenient

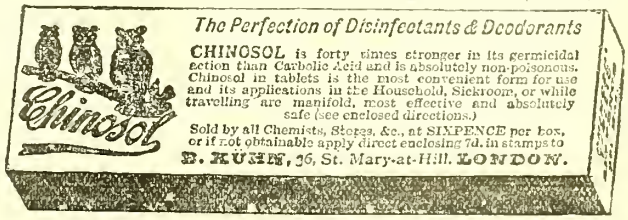
ANTISEPTIC DISINFECTANT & DEODORANT

Chinosol ($C_6H_3N.KSO_4$) is, as shown by the Bacteriological Reports, at least **40 times** stronger in its germicidal action than Carbolic Acid, without possessing the **dangerous** and otherwise **objectionable** properties of the latter.

Chinosol is sold in various forms adapted to its manifold important applications—viz., Pure Chinosol, in Powder and Compressed Tablets; Crude Chinosol, in Granular and Fluid form, as a Disinfectant and Deodorant; Dusting Powder, for Wounds, Sores, and for Destruction of Parasites, &c.; Chinosol Lanolin Ointment; Chinosol Antiseptic Surgical Dressings; Chinosol Soap (Medicinal, Veterinary, and Toilet), &c., &c.

A special and very saleable Counter line, for Retail, is provided in a box (as per facsimile), containing Chinosol Tablets, sufficient to make, by simply dissolving in cold water, **2 gallons** of a strong **Deodorant,** or **10 gallons** of an efficient **Disinfectant.**

This box is Retailed at SIXPENCE.



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B. KÜHN, 36 St. Mary-at-Hill, **LONDON.**

Sole Licensee for the United Kingdom, the British Colonies & Dependencies.

TELEGRAMS "RELISH" LEEDS.

NATL TELEPHONE No. 954

GOODALL BACKHOUSE AND COMPANY

7 TO 15 WHITEHORSE ST
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LEEDS.

MANUFACTURING CHEMISTS — WHOLESALE DRUGGISTS,

DRUG & SPICE GRINDERS,

Patent Medicine Dealers, Druggists' Sundriesmen,

TIN CANISTER MAKERS.

PROPRIETORS OF

YORKSHIRE RELISH & GOODALL'S HOUSEHOLD SPECIALITIES.

PRICE LISTS OF DRUGS, PATENT MEDICINES, AND PACKED GOODS ON APPLICATION.

Net Cash Prices Quoted for Wholesale Quantities. Inquiries Solicited.

BEECHAM'S PILLS

IN £5 LOTS.

Complying with the voice of the majority of the Trade, the Proprietor of BEECHAM'S PILLS has reduced the minimum limit of orders to Five Pound Lots, and hopes this may be generally acceptable.

The new arrangement came into force on January 1st and the prices are now as follows:—

BEECHAM'S PILLS.— *9½d. size (36 pills)* ... ... *7/- per dozen, net.*
13½d. „ *(56 pills)* ... ... *9/6* „ „
2/9 „ *(168 pills)* ... ... *25/-* „ „

No orders executed below £5 value. These prices are the lowest, no matter what quantity is ordered.

BEECHAM'S TOOTH PASTE (in collapsible tubes).—1/- size ... per dozen, net, 7/6

Packages free. Carriage NOT paid.

Cash must in all cases accompany orders, which, with requisitions for advertising matter, must be addressed—

THOMAS BEECHAM, ST. HELENS, LANCASHIRE.

DIAMOND JUBILEE GOODS.

To avoid necessity of overstocking, we have arranged Assorted Parcels as under:—

Parcel A.—Cost, 10/6; realises retail, 17/6
" B. " 20/; " " 35/-
= 40 per cent. Profit on Returns.

These parcels contain an assortment of various goods relating to Jubilee. All good saleable lines.

JUBILEE PUFF BOX.

Decorated tin, with photos of the Queen and all the Heirs to the Throne, in 6 or 7 Royal colours, 3/- doz.

SMELLING BOTTLES.

Well recommended.

No. 374.	Crystal glass, heart shape	2 9	doz.
" 377.	Coloured glass, 3 colours, heart shape...	3/6	"
" 375.	Small heart	2/6	"
" 376.	Upright square, well cut, Maltex stopper	4/-	"

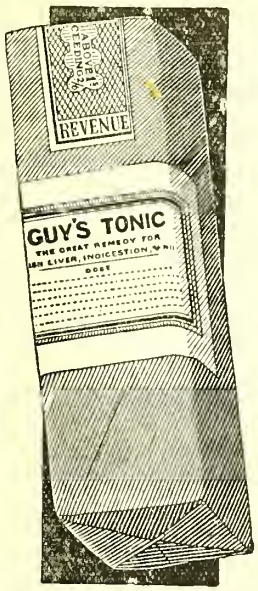
QUEEN OF HEARTS SALTS,

Filled and boxed.

A very smart line, applicable to this year, 4/- doz.

SHIRLEY BROS.

105 & 107 WHITECROSS STREET, E.C.



Guy's Tonic Sales Are Rapidly Increasing.

Write at once for Book of Seventy-six Pages. Full of information interesting to Chemists. Address:

Guy's Tonic Co.

12 Buckingham Palace Road, London, S.W.

BEESWAX

GUARANTEED PURE, YELLOW AND WHITE.

In Blocks, Cakes, Tablets, or any other form, at lowest possible prices.

FREE TO ANY PLACE IN THE UNITED KINGDOM.

AND BEST PURE BLEACHED CARNAUBA WAX.

LÜNEBURGER WACHSBLEICHE (Wax Bleaching Works),

LÜNEBURG, near HAMBURG, GERMANY.

AUSTIN & CO.

Patentees and Manufacturers of FANCY CARD

ROUND, OVAL, & SQUARE SHAPED BOXES

FOR POSTAL AND GENERAL PURPOSES.

ALSO PATENT BARREL PACKAGES, WITH METAL ENDS, FOR DRY GOODS,

AND

Makers of best class of Violet Powder Boxes, and high-class goods of every description for Perfumery, &c.

8 GREVILLE STREET, HATTON GARDEN, LONDON, E.C.

STEAM WORKS, 2 PRINTER'S BUILDINGS.

A PROFITABLE LINE!! EASILY HANDLED!! Telephone No. 72, Dalston.

HEARN'S GLASS ILLUMINATION LAMPS

(NEW REGISTERED DESIGNS)

Will be greatly in demand on the occasion of **HER MAJESTY'S DIAMOND JUBILEE.**

Grape Pattern.

MADE IN ENGLAND.

For Illuminating Private Residences, Public Buildings, Gardens, Fetes, Conservatories, Lakes, Hotel Gardens, Shop Fronts, Bazaars, Yachts, &c.

The lamps are packed in Cases of 12, 24, 36, 50, and 100, each Case containing an assortment of colours and patterns, and a corresponding number of lights.

Queen's Head Pattern.

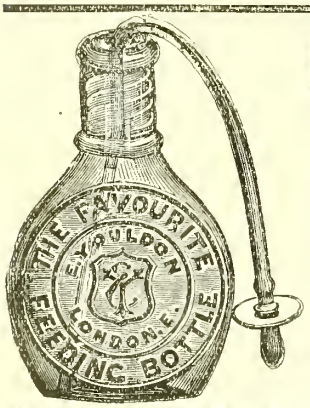
MADE IN ENGLAND.

The Lamps are wired ready for hanging, and are made in the following colours:—Amber, Dark Blue, Dark Green, Puce, Venetian, White, Ruby Stained, &c.

A very Handsome Show Card is presented with opening Order.

Tulip Pattern.

For full particulars as to Prices, Terms, &c., apply to S. MAW, SON & THOMPSON, Aldersgate St.; F. NEWBERY & SONS, King Edward St.; BARCLAY & SONS (LIM.), Farringdon St.; and all the principal Wholesale Houses.



FEEDING BOTTLES

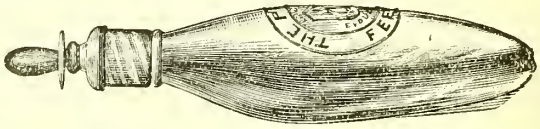
OF THE BEST MANUFACTURE.

PRICES REDUCED.

These are fitted with BEST QUALITY RUBBER ONLY, and are thoroughly Reliable.

TRY THEM. THEY SELL WELL.

A Trial Order Solicited.



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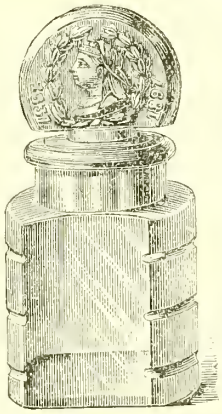
The Victoria Commemoration

SMELLING SALTS BOTTLE.

Assorted White, Blue, and Actinic Green.



Sample Dozen sent on receipt of P.O. for 5s. 6d.

Every bottle guaranteed to be perfectly stoppered.

H. POTHS & CO.

3 CREECHURCH LANE, LONDON, E.C.

DISPENSING BOTTLES.

THE NORTH LONDON GLASS BOTTLE COMPANY

(I. ISAACS & CO., Proprietors)

Beg to inform the Trade that they have made a further reduction in the price of their Bottles, as follows:—

The NEW SHAPE FLAT BOTTLES, with rounded edges, plain or graduated—

4 oz. .. 7/6 per gross.	10 & 12 oz. .. 12/- per gross.
6 ,, 8 ,, .. 8/6 ,,	16 ,, .. 16/- ,,

WHITE MOULDED PHIALS, plain or graduated Teaspoons—

½ oz. .. .. 3/6 per gross.	1½ oz. .. .. 4/6 per gross.
,, ... 3/9 ,,	2 ,, ... 5/- ,,

PLEASE NOTE.

Six gross and upwards, assorted or otherwise, are carriage paid to any address in England; smaller quantities not carriage paid.

I. ISAACS & CO., Glass Bottle Manufacturers,
106 MIDLAND ROAD, ST. PANCRAS, LONDON.
Established 50 years. *Bankers—London and Westminster Bank.*

"ESSETS"

DISINFECTING FLUID.

"ESSETS"

DISINFECTING POWDER.

"ESSETS"

DISINFECTING SOAP AND TOILET PREPARATIONS.

One gallon of "Essets" Fluid is sufficient to make 1,000 gallons of Disinfectant.

Send for Corroborative Reports, Testimonials, Price Lists, and Particulars to—

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AGENTS WANTED.

BREFFIT'S LTD

BOTTLE MAKERS FOR ALL

EVERY KIND OF BOTTLE FOR

CHEMISTS, DRUGGISTS, & PERFUMERS.

FEEDING BOTTLES AT REDUCED PRICES

(Worth Special Attention.)

"LA SPECIALITÉ." EACH IN PAPER BAG.

Best Black Rubber Tubing. Black Seamless Teat. Glass Union.

No. 95. GREEN BOTTLE, BOX TOP CORK...	**24**/-	per gross.
„ 96. WHITE „ „ „	**26** -	„
„ 97. GREEN BOTTLE, SCREW GLASS STOPPER	**26**/-	„
„ 98. WHITE „ „ „	**28**/-	„

Or in Folding Card Boxes attractively labelled. Prices all kinds on application.

HONEY JARS & SCREW CAP PRESERVE JARS (ALL KINDS).

	¼ lb.	1 lb.	2 lbs.	
TIE-OVER JARS, Tall Shape.	**7**/**6**	**10**/-	**18**/**6**	per gross.

	¼ lb.	½ lb.	1 lb.	
HONEY JARS, fitted with Screw Metal Cap and Cork Wads.	**15**/-	**16**/-	**18**/-	per gross.

TABLE JELLY or HONEY GLASSES, Greek Shape ... 1 lb., **10**/- per gross.

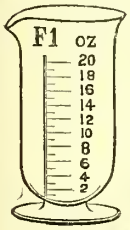
MINIATURE HONEY JARS (FOR SENDING SAMPLES.)

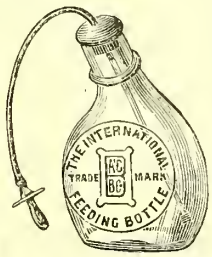
Short or Tall Shape ... ... 1 oz., **5**/**6** ; 2 oz., **6**/- per gross.

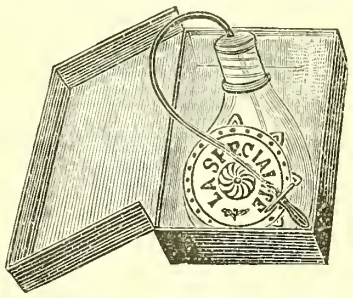
SHOP ROUNDS,	1 oz.	2 oz.	4 oz.	8 oz.	16 oz.	20 oz.	30 oz.	40 oz.	
HAND MADE, N.M.	**1**/**4**	**1**/**7**	**2**/-	**3**/**2**	**4**/-	**4**/**9**	**5**/**3**	**6**/-	per dozen.
STOPPERED. W.M.	**1**/**8**	**1**/**9**	**2**/**5**	**3**/**8**	**4**/**9**	**5**/**3**	**5**/**9**	**6**/**9**	„

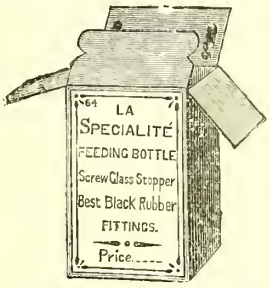
GRADUATED MEASURES	½ oz.	1 oz.	2 oz	4 oz.	10 oz.	20 oz.	32 oz.	oz.	
	5/**6**	**5**/**6**	**7**/**6**	**8**/-	**10**/**6**	**13**/**6**	**16**/-	**18**/-	per dozen.

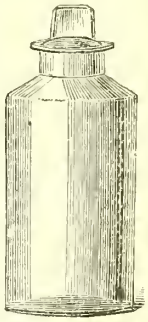
Bearing the Government Inspector's mark of verification.











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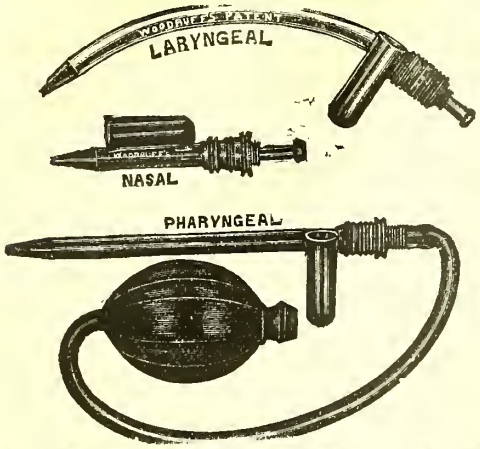
Telegrams: "BREFFITS LONDON." | **ILLUSTRATED PRICE LIST FREE ON APPLICATION.** | Telephone No. 1843.



THE NEW CELLULOID SPRAY PRODUCER

(Woodruff's Patent).

An ideal apparatus for the administration and accurate use of Medicated Liquids or Solutions in minute quantities. The three forms shown are constructed so as to allow of the direct action of the Spray on the Larynx, Pharynx, and Mucous Membrane of the Nasal Cavity.

NETT TRADE PRICES:

LARYNGEAL, complete,	**60/-** doz.	Retail	**6/6**	each.
PHARYNGEAL „	**54/-** „	„	**6/-**	„
NASAL „	**50/-** „	„	**5/6**	„

Spare Mounts, Bellows, and Pipettes are also supplied.

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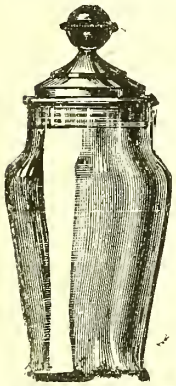
Further Particulars may be obtained on application to the Patentee—

T. WOODRUFF, PHARMACEUTICAL CHEMIST, **Withington, MANCHESTER.**



NEW PATENT

AIR-TIGHT CHEMIST JAR.

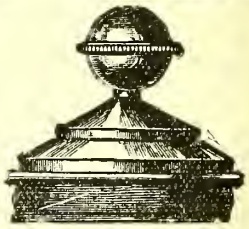
A slight turn of the knob presses the indiarubber Band against the glass, and renders the vessel absolutely air-tight. The Stopper is made of pure Nickel, of handsome shape.

INVALUABLE FOR SHOW BOTTLES, CHEMISTS, CONFECTIONERS, ETC.

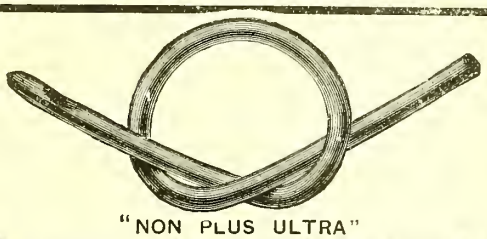
Samples and Prices of all Chemists' Sundriesmen.

C. MELIN, [2]

37 CRUTCHED FRIARS, MARK LANE, E.C.



Section of the Nickel Stopper when closed.



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CATHETERS and BOUGIES

WARRANTED WOVEN EYES, SOLID ENDS, VERY FLEXIBLE AND STRONG WEB.

Cylindrical	7/6	per dozen.
Conical	8/6	„
A Boule or Olive pointed	9/6	„
A Coudée or Mercier	15/-	„

Large Discount for Wholesale Buyers.

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MILK STERILIZERS.

Nos. 1, 2, and 3.

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PATENT.

Descriptive Pamphlets Free by Post.

DAILY INCREASING SALE.

See Diary, page 574.

May be had through the Wholesale Trade, or direct from

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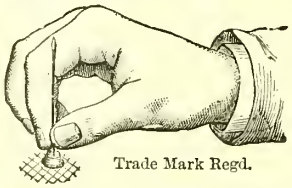
THE ASSOCIATION FOR THE SUPPLY OF PURE VACCINE LYMPH

(ESTABLISHED 1877),

12 PALL MALL EAST, LONDON, S.W.



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Office Hours—
10 till 4; Saturday, 10 till 2.

CALF AND HUMAN. PURE & RELIABLE.

All Antiseptic Precautions most carefully observed. *PIN-POINTS GRATIS WITH VACCINE WHEN REQUESTED.*

CALF, Tubes, 2/-; Half-Tubes, 1/- each. **POMADE,** especially active, for Export, 5/-, 10/-, 20/- each.

HUMAN, from healthy children only, microscopically examined and source quoted. Tubes, two-thirds full, 1/8 each; one-third full, 1/- each. Tubes, two-thirds full (in every respect equal to those mentioned above, but without source), in quantities for export, £5 per 100.

Sole Agents for **DR. WARLOMONT'S CALF VACCINE.** For price see Calf Vaccine above.

P.O.O. (including postage, and crossed London and Westminster Bank), with orders payable to EDWARD DARKE, Sec.

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SUPERIORITY OF THE "WILLARDBELL" SPECIALITIES

The "Willardbell" Truss.
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Acknowledged by the Medical Profession to be the Best. The principle is an entire departure from the old style. Scientific, Simple, and Successful. Never Rusts—always Clean, Cool, and Comfortable. Largely adopted throughout the Kingdom, on the Continent, and the Colonies.

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(PATENTED.)
With Flexible Aluminium Front. The Best on the Market.

The "Willardbell" Jock Strap.
Worn by all Athletes. Will prevent Strains, and afford much greater freedom of movement.

The "Willardbell" Ladies' Sanitary Bandage.
The Latest and Best out.

The "Willardbell" Elastic Web Truss.
Specially made for Ladies, and fitted with Water Pad.

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For straightening the Shoulders and expanding the Chest.

Abdominal Supports.
Of High-class Quality and Finish.

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In a variety of Colours.

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ABSOLUTELY RELIABLE.
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GOOD COLONIAL AGENTS WANTED WHERE NOT ALREADY REPRESENTED.

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Arsenical Powder Dip; Arsenical Paste Dip; Non-Pois. Paste Dip and Fluid Dip; Horse and Cattle Washes; Paste and Fluid; Maggott Lotion; Mange Liniment; Dog Soap; Carbolic Powder; Carbolic Acid; Carbolic Soft Soap.

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COPPERFIELD ROAD,
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LARGEST MAKERS IN THE KINGDOM.

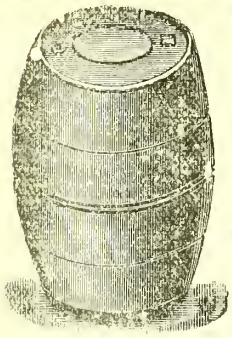
We are prepared to supply METHYLATED SPIRIT in 5-gallon quantities at Lowest Prices.

REDUCTIONS TO LARGE BUYERS.

SAMPLES FREE.

CAIRD'S STAMPED STEEL BARRELS

NO COOPERAGE, NO LEAKAGE, NO LOSS BY EVAPORATION.



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Chemicals, Spirits, Acids, Varnishes, Oils, and Other Liquids.
ALSO
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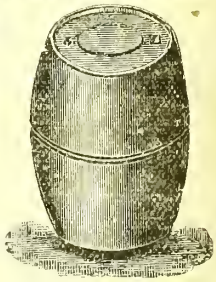

Occupy Less Space, are Stronger and more Durable than Wood Barrels.

Are less Dangerous than Wood Barrels.

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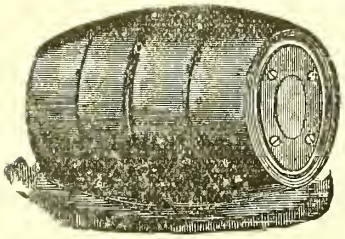

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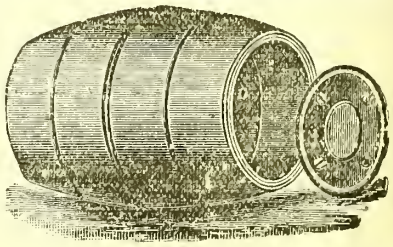

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Carbolic Disinfectants,

SOAPS, TOOTH POWDER, OINTMENT, &c.

Are the ONLY RELIABLE PREPARATIONS.

Awarded 76 Gold and Silver Medals and Diplomas.

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INSECT POWDER. Genuine Dalmatian, ground from the Closed Wild Flowers of "Pyrethrum roseum."

POWDERED HELLEBORE. In fine Powder, and Genuine.

STAVESACRE SEEDS. Own Import. We offer the Seeds whole or ground (own grinding).

CARBOLIC ACID, PALE LIQUID, 97%.

Having favourable contracts can offer to advantage in quantity.

Special Quotations on application. For lowest prices quantities should be stated.

W. KEMP & SON, Wholesale Druggists, HORNCASTLE.

CAMPHORTAR

8/- per Gross.

CAMPHORTAR

A combination of Camphor, Eucalyptus, and Coal Tar. A powerful Disinfectant, Deodoriser, Insect Destroyer, and Air Purifier.

CAMPHORTAR

SOLD BY THE PRINCIPAL DRUG AND SUNDRY HOUSES.

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CHLORIDE OF LIME

IN

AIRTIGHT, ODOURLESS, WATERPROOF PACKETS

Retains the Chlorine and keeps the Powder dry longer than any other packet.

4 oz., 8/- gross; 8 oz., 16/- gross; 16 oz., 30/- gross.

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Samples on application.

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Packed in small decorated tins.

Immediately soluble in cold water.

All tins Free.

No return empties.

Specially adapted for Export.

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Strength: 1 gall. sufficient for 25 galls. of water.

DOUBLE STRENGTH.

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Also best Kentish Hops in bulk.

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FOLDING BOXES

For BOTTLE PREPARATIONS requiring to be well presented; and for neatly packeting Tablets, Lozenges, Powders, &c. Each box printed from design, in one or several colours. Also in plain, neat type arrangements. All of best class work.

DESIGNS MADE IN HIGHEST ARTISTIC STYLES

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POLISHING PASTE & ALL POLISHING MATERIALS

Works: Garston Docks.

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HANDBILLS, with NAME and ADDRESS, SUPPLIED GRATIS.

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Quotations for S.V.R. Methylated Spirit and Finish on application.

FINEST ORANGE WINE FOR QUININE.

GENUINE EMERY, EMERY CLOTH, AND BLACK LEAD.

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Glass and Flint Paper, Emery and Glass Cloth; Emery, Black Lead, Emery Wheels Pumice, Putty Powder, Crocus, Urn Powder, Tripoli, Rouge, Plate Powder, Steel Polish Furniture Polish, Knife Boards, Brunswick and Berlin Black, &c.

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Prepared expressly for Oakey's and other Knife Boards, Buff Leather Boards, and all the Patent Knife Cleaning Machines. Sold in Canisters with perforated Tops to prevent waste, at 1*d.*, 2*d.*, 3*d.*, 6*d.*, 1*s.*, 2*s.* 6*d.*, and 4*s.* each.

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For Cleaning and Polishing Silver, Plate Glass, Marble, &c. Tablets, 6*d.* each.

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A Magic Pomade for Cleaning Brass, Copper, Tin, Pewter, Britannia Metal, &c. Never becomes dry and hard like other Metal Paste. Tins, 1*d.*, 2*d.*, 3*d.*, and 6*d.* each.

WELLINGTON BLOCK BLACK LEAD,

In 1*d.*, 2*d.*, and 4*d.* Blocks, and 1*s.* Boxes.

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The New Canadian Tariff

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Every Chemist and Druggist in the Canadian Dominion.

This, it should be understood, is in addition to the regular circulation of THE CHEMIST AND DRUGGIST, and the large extra circulation of that number in the United States and West Indies.

There is a strong disposition in all parts of Canada at the present time to purchase British products, and the effect of the new tariff must be to transfer to this country a large part of the business which now goes to foreign traders.

THIS, THEREFORE, IS THE RIGHT MOMENT

for British Manufacturers to make their products known to Canadian buyers. Canada contains a population of five millions, and the average consumption of imported goods in the Dominion is from

Four to Five Pounds' worth per Head.

The reduction of tariff will no doubt largely increase that proportion. In 1895 Canada's imports were valued at $110,781,682. Of these the imports from the United Kingdom were valued at $31,138,414, and those from the United States at $59,337,239. In the same year the Canadian exports were valued at $113,638,803. The United Kingdom purchased 56 per cent. and the United States only 34 per cent. of these. It is evident, therefore, that

A GREAT FIELD OF TRADE IS OPEN,

and that it is in Canada's interest as well as in ours that this should be assiduously cultivated. Canada is already Great Britain's largest customer among the Colonies; the 12½ per cent. reduction of duty in favour of British goods must divert a large proportion of trade from other countries to this; and when, as is intended after July 1, 1898, this preferential reduction of duty is increased to 25 per cent., it is practically certain that in all goods which the United Kingdom can supply she will almost monopolise the Canadian markets as far as purchases from abroad are concerned.

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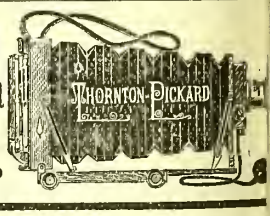

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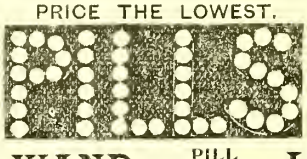
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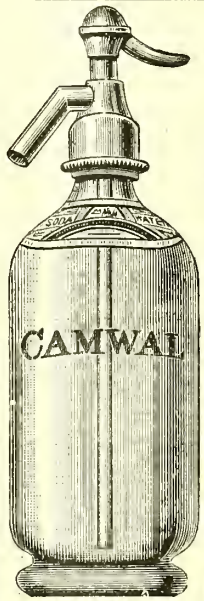

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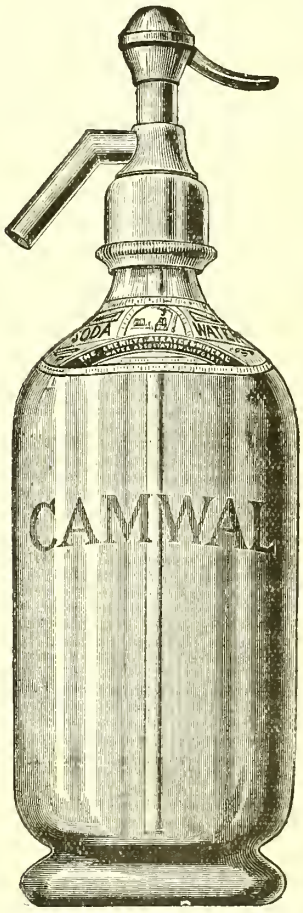

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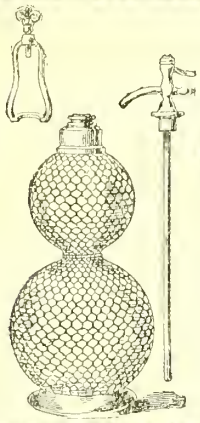

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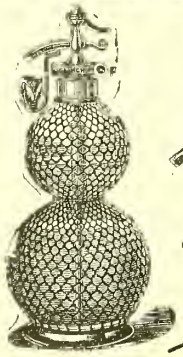

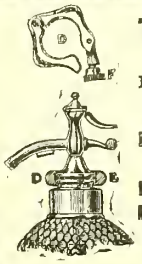

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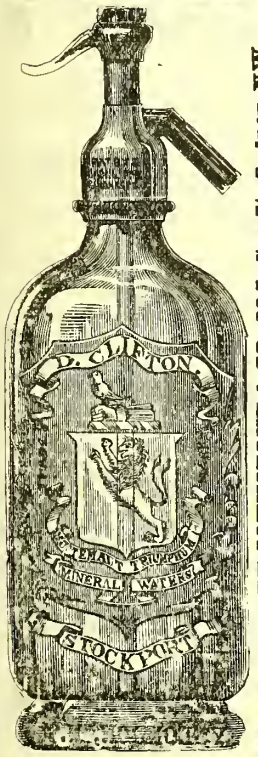

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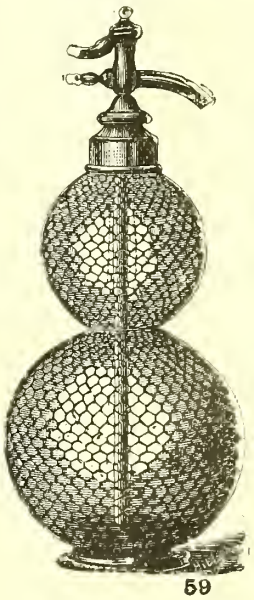

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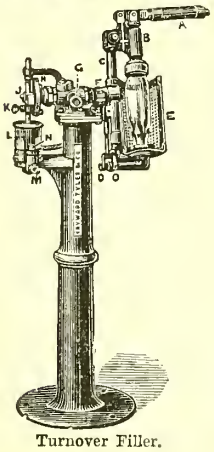

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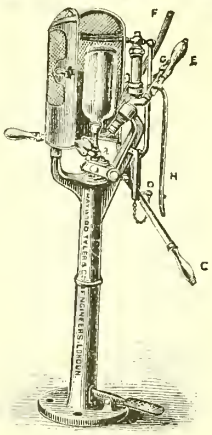

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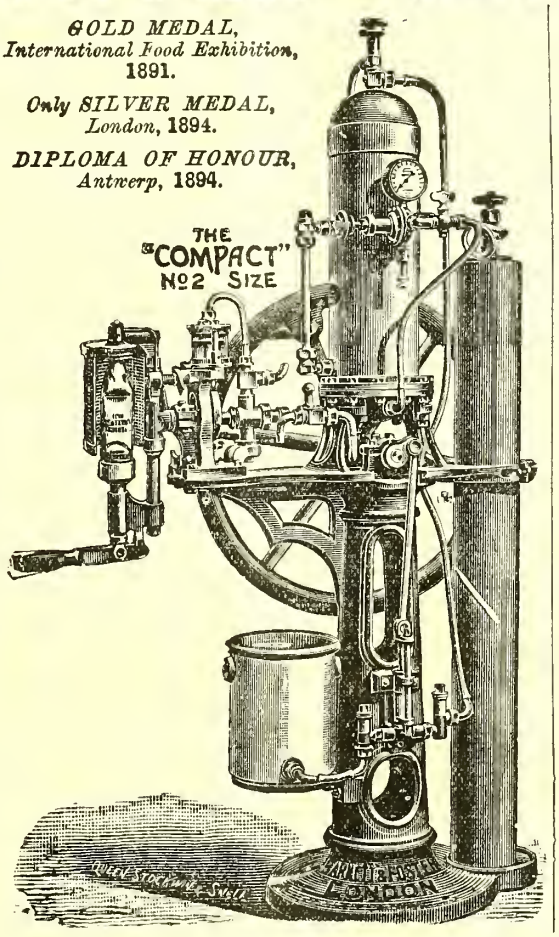

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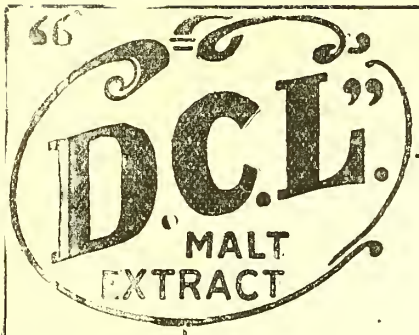

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The DISTILLERS COMPANY, LIMITED, having exceptional experience of Malting, and commanding the services of highly-trained Analytical Chemists, together with the choice of the finest Grain procurable, consider that they occupy an unusually favourable position for the manufacture of

A PERFECT MALT EXTRACT.

It is, of course, concentrated *in vacuo*, and the temperatures at which the Malted Barley Grist is mashed and subsequently boiled are carefully regulated, so as to ensure the production of a Pure Extract of Malted Barley of unusually high Diastasic strength and nutritive value.

"D.C.L." Malt Extract has been submitted for analysis to a high scientific authority whose report will be forwarded privately to Pharmacists on application. The advertisers have every confidence in claiming that the high standard of excellence attained by their make, as shown in the report, will be fully maintained, as each making is analysed before it is offered for sale.

SOLD IN BULK,

In 14 and 28 lb. Tins, and 56 lb. and 112 lb. Steel Barrels,

Carefully Tinned.

Sole Manufacturers—

The Distillers Co., Ltd.,

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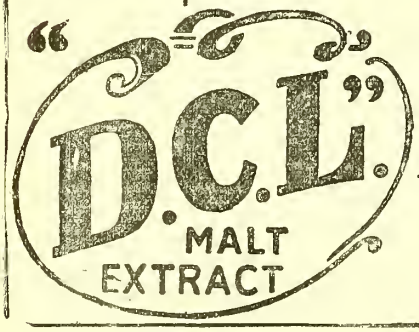
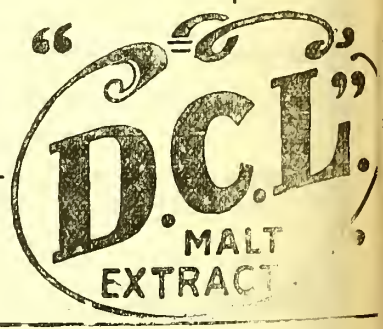
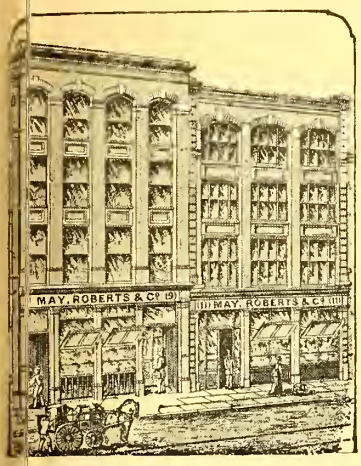






Three Minutes' Walk from Aldersgate St. Station.

ILLUSTRATED PRICE LIST.

Revised January, 1897.

Sent Post Free on application with Business Card.

REGISTERED TRADE MARK M R & Co LONDON

Druggists' Sundries.
Packed Drugs & Perfumery.
Patent Medicines.

NO TRAVELLERS.
Their Expenses given to Buyers.
CARRIAGE PAID!
See Terms.

MAY, ROBERTS & CO., LONDON

Telegraphic Address: "FEEDING BOTTLES LONDON."
Telephone No. 6889, Holborn Exchange.

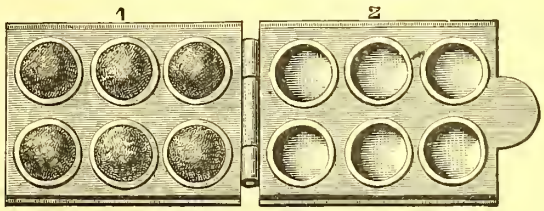
CCHETS, Wafer Paper.

White, four sizes, Nos. 0 to 3, in boxes of 250 ... per 1,000 2/8

CCHET MACHINES.

With roller complete for closing the above, with eight divisions, four each, Nos. 0 and 1 ... ... each 3/6

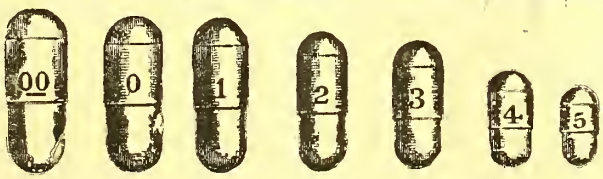
With six divisions, three each, Nos. 2 and 3 ... ... „ 3/6



EMPTY GELATINE CAPSULES.

These Capsules are perfect in uniformity of size, fit, shape, colour, elasticity, and solubility, and number from 5 the smallest, to 00 the largest.

Ou Improved Process of manufacture an inventions of New Machinery en e us to put our goods on the market un celled, and at a less cost than has hi rto been done. They are made of the ve Finest French Gelatine, and will stand in any climate.



Seven sizes, in Boxes of 100. Per box, 4d.; per doz. boxes, 3s. 9d.

CAPACITY.

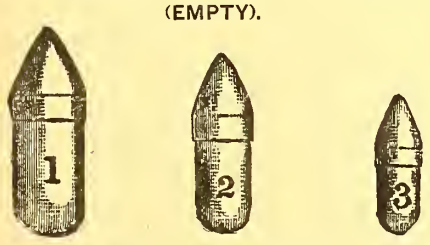
T approximate capacity of empty capsules will vary in the w ght of different samples of the same powdered drug or alkaloid, according to the degree of compression exerted in filling.

SEE ANNEXED TABLE.

Size	00	0	1	2	3	4	5
Quin. Sul. .. .. gr.	8	6	4	3	2	1½	¾
Quin. Mass. .. gr.	16	12	8	6	4	3	1½
Pulv. Ipecac. Co... gr.	12	8	6	4	3	2	1
Pulv. Aloes .. gr.	10	7	5	4	3	2	1
Bism. Subnit. .. gr.	20	14	10	8	6	4	2
Salicin .. .. gr.	10	7	5	4	3	2	1
Pulv. Rhei .. gr.	12	8	6	4	3	2	1
Acid. Salicyl. .. gr.	8	6	4	3	2	1½	¾

RECTAL SUPPOSITORY CAPSULES

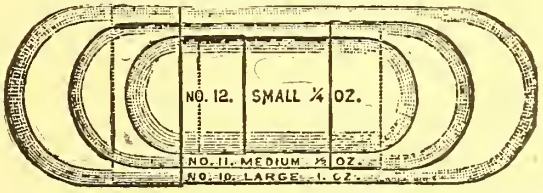
(EMPTY).



THREE SIZES.

In Boxes containing 100, one size, per box ... ... 4*d.*
„ „ „ per dozen boxes 3/9

CAPSULES (VETERINARY).



For administration to horses and cattle, or may be filled with absorbent cotton saturated for vaginal medication.

No. 10, large (ounce), in boxes of 10, per dozen boxes	8/-
No. 11, medium (½-ounce), in boxes of 10 „ „	6/6
No. 12, small (¼-ounce), in boxes of 10 „ „	5/6
No. 10, bulk, per 1,000	52/-
No. 11 „ „	47/-
No. 12 „ „	42/-

We supply the medium size in absence of specification.

ALL ABOVE SUBJECT TO USUAL TERMS.

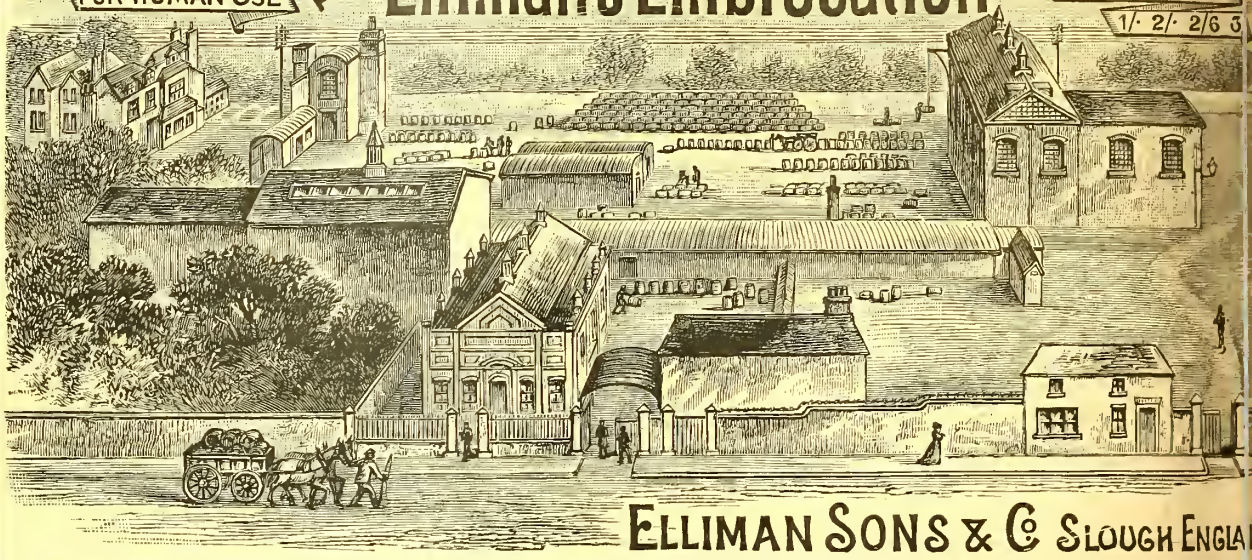
MAY, ROBERTS & CO., LONDON.

YEAR BY YEAR 1847 TO 1897 INCREASING DEMAND

UNIVERSAL 8½ ETC. FOR HUMAN USE

FOR **Elliman's Embrocation**

ROYAL FOR ANIMALS 1/- 2/- 2/6 3



ELLIMAN SONS & Co SLOUGH ENGLAND

Cadbury's Cocoa

ABSOLUTELY PURE therefore BEST.

Cadbury's is "The Typical Cocoa of English Manufacture, Absolutely Pure." *The Analyst.*

NO CHEMICALS USED IN CADBURY'S AS IN THE SO-CALLED PURE FOREIGN COCOAS.

SAFE TEETHING.

DO NOT LET YOUR CHILD DIE!

Fennings' Children's Powders Prevent Convulsions; are Cooling and Soothing.

FENNINGS' CHILDREN'S POWDERS.

For Children Cutting their Teeth, to Prevent Convulsions.

Sold in Stamped Boxes, at 1*s.* 1½*d.* and 2*s.* 9*d.* (great saving), with full Directions.

Do not contain Calomel, Opium, Morphia, nor anything injurious to a tender babe.

Chemists, by applying to the Patent Medicine Houses and Wholesale Chemists, can obtain, free of any charge, a supply of "FENNINGS' EVERY MOTHER'S BOOK" for Counter distribution.

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As—

FILTERING MEDIUM,
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For the Preparation of—

VIOLET POWDERS,
NURSERY POWDERS,
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"DIMATOS"

"Dimatos" is the name which has been given to a newly-discovered Infusorial Earth, which, on account of it appearance and properties, surpasses in value all other varieties of such Earths hitherto met with in commerce.

"Differs in every respect from ordinary Kieselguhr—perfectly white in the natural state—the purest form of infusorial earth we have seen."—*Chemist and Druggist.*

"Contains 93 per cent. pure silica—presents a remarkable contrast to other infusorial earths, such as Kieselguhr."—*Pharmaceutical Journal.*

SAMPLE FREE ON APPLICATION

PRICES.

In 1-cwt. Canvas Bags	70/- per cwt.	In 14-lb. Canvas Bags	77/6 per cwt.
" ½ " "	72/6 "	" 7-lb. " "	80/-
" ¼ " "	75/- "	Bags Free.	Carriage Paid.

Smaller Quantities 9d. per lb.

SOLE CONSIGNEES THROUGHOUT THE WORLD—

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